General Algebra 2
Lesson #3 Unit 3
Class Worksheet #3
For Worksheets #3 & #4

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$

        $x - 3y = -5$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

1. $5x + 3y = 29$

  $x ó 3y = -5$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$

         $x - 3y = -5$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
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1. $5x + 3y = 29$
      $x ó 3y = -5$

      $5x + 3y = 29$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$

   $x − 3y = -5$

   $5x + 3y = 29$

To solve for x, we must eliminate
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Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

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To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.

$5x + 3y = 29$

$x ó 3y = -5$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1.

$$5x + 3y = 29$$
$$x – 3y = -5$$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.

$$5x + 3y = 29$$
$$x – 3y = -5$$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1.
$$5x + 3y = 29$$
$$x \div 3y = -5$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

$$5x + 3y = 29$$
$$x \div 3y = -5$$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

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$$5x + 3y = 29$$
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$$5x + 3y = 29$$
$$\underline{x\ ó\ 3y = \ -5}$$

To solve for x, we must eliminate the y terms.
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Bring down the bottom equation.
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Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

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To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

$5x + 3y = 29$

$\underline{x - 3y = -5}$

$6x$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$

       x ó $3y = -5$

       $5x + 3y = 29$

       x ó $3y = -5$
_____

       $6x =$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$

   $x \acute{o} 3y = -5$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

$5x + 3y = 29$

$\underline{x \acute{o} 3y = -5}$

$6x = 24$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

1. $5x + 3y = 29$

$x \div 3y = -5$

$5x + 3y = 29$

$\underline{x \div 3y = -5}$

$6x = 24$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3   Solutions

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x

General Algebra 2   CWS #3   Unit 3 Solutions

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      $5x + 3y = 29$

      $x – 3y = -5$

      $6x = 24$

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To solve for x, we must eliminate
the y terms.
Bring down the top equation.
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Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

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$5x + 3y = 29$

$x - 3y = -5$

$5x + 3y = 29$

$x - 3y = -5$

$6x = 24$

$x = 4$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$

   $x \acute{o} 3y = -5$

   $5x + 3y = 29$

   $\underline{x \acute{o} 3y = -5}$

   $6x = 24$

   $x = 4$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

1. $5x + 3y = 29$

    $x ó 3y = -5$

    $5x + 3y = 29$

    $\underline{x ó 3y = -5}$

    $6x = 24$

    $x = 4$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

1. $5x + 3y = 29$
     $x – 3y = -5$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

$5x + 3y = 29$
$x – 3y = -5$
_____
$6x = 24$

$x = 4$

$5x + 3y = 29$

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

1.
$$5x + 3y = 29$$
$$x – 3y = -5$$

$$5x + 3y = 29$$
$$\underline{x – 3y = -5}$$
$$6x = 24$$

$$x = 4$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

$$5x + 3y = 29$$

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -5.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

1.
$$5x + 3y = 29$$
$$x \; \acute{o} \; 3y = -5 \quad ^{-5}$$

$$5x + 3y = 29$$
$$\underline{x \; \acute{o} \; 3y = -5}$$
$$6x = 24$$

$$\mathbf{x = 4}$$

$$5x + 3y = 29$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$
         $x ó 3y = -5$ -5

$5x + 3y = 29$
$\underline{x ó 3y = -5}$

$6x = 24$

$\mathbf{x = 4}$

$5x + 3y = 29$
$-5x$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
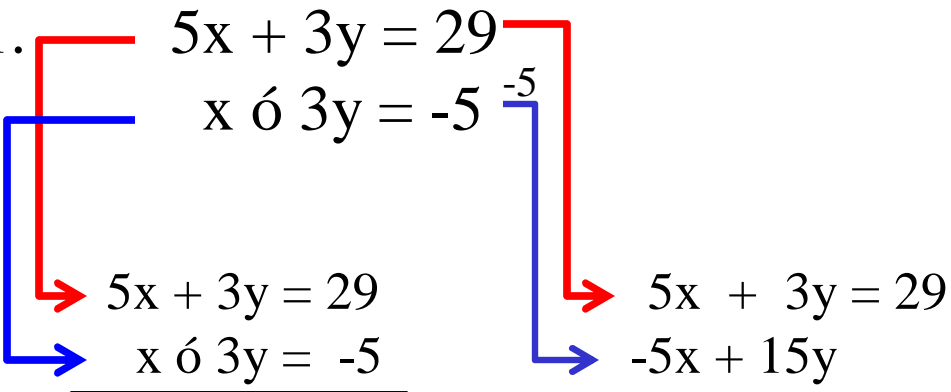the x terms.

Bring down the top equation.
Multiply both sides of the bottom
equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

1.
$$5x + 3y = 29$$
$$x \div 3y = -5 \quad ^{-5}$$

$$5x + 3y = 29$$
$$\underline{x \div 3y = -5}$$
$$6x = 24$$

$$\mathbf{x = 4}$$

$$5x + 3y = 29$$
$$-5x +$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
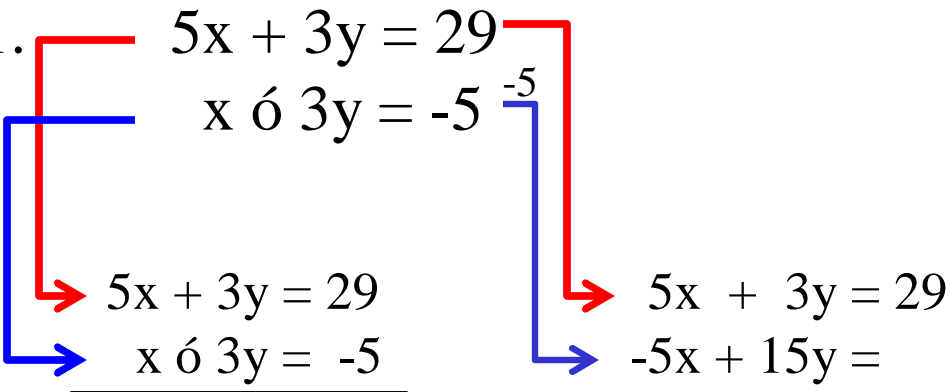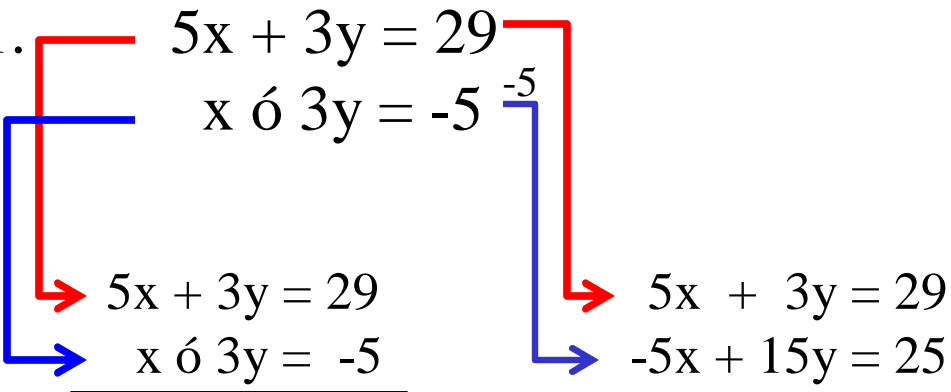
Bring down the top equation.

Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$

   $x ó 3y = -5$ -5

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

$5x + 3y = 29$

$\underline{x ó 3y = -5}$

$6x = 24$

$x = 4$

$5x + 3y = 29$

$-5x + 15y$

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

1.

$$5x + 3y = 29$$
$$x ó 3y = -5 \quad ^{-5}$$

$$5x + 3y = 29$$
$$\underline{x ó 3y = -5}$$
$$6x = 24$$

$$\mathbf{x = 4}$$

$$5x + 3y = 29$$
$$-5x + 15y =$$

To solve for y, we must eliminate
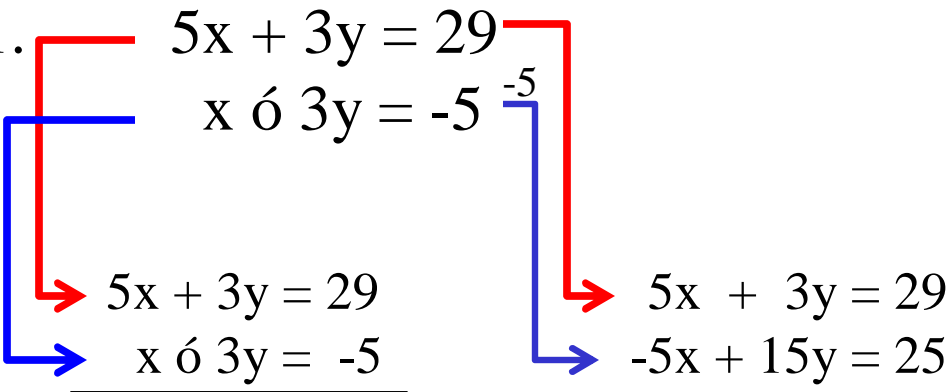the x terms.

Bring down the top equation.
Multiply both sides of the bottom
equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$
    $x − 3y = -5$ $^{-5}$

$5x + 3y = 29$
$x − 3y = -5$
_____
$6x = 24$

$x = 4$

$5x + 3y = 29$
$-5x + 15y = 25$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
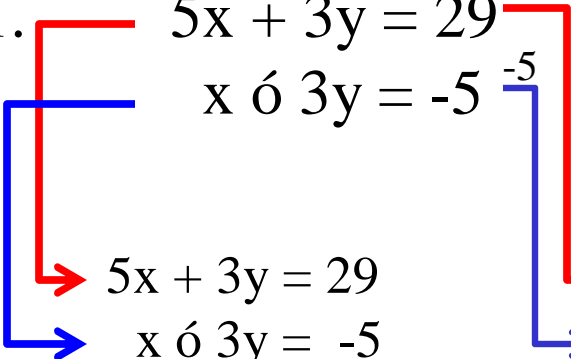Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$
   $x \ 6 \ 3y = -5$ $^{-5}$

$5x + 3y = 29$
$x \ 6 \ 3y = \ -5$
$6x \ = 24$

$x \ = 4$

$5x \ + \ 3y = 29$
$-5x + 15y = 25$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -5.
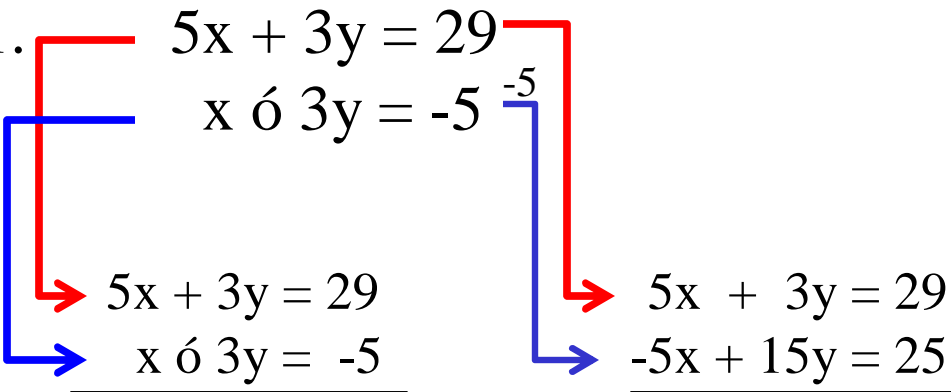
Notice that the x terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1.

$$5x + 3y = 29$$
$$x ó 3y = -5 \quad {}^{-5}$$

$$5x + 3y = 29$$
$$\underline{x ó 3y = -5}$$
$$6x = 24$$

$$x = 4$$

$$5x + 3y = 29$$
$$-5x + 15y = 25$$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.
Multiply both sides of the bottom
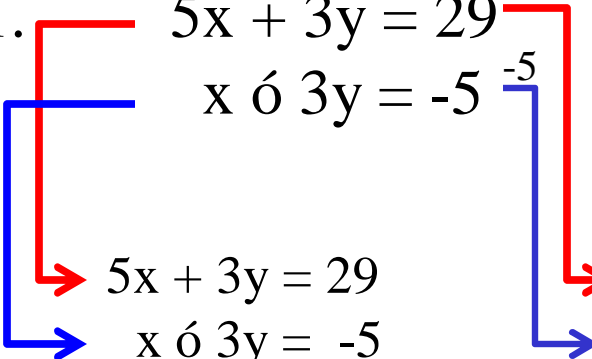equation by -5.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

1.

$$5x + 3y = 29$$
$$x \div 3y = -5$$

$$5x + 3y = 29$$
$$\underline{x \div 3y = -5}$$
$$6x = 24$$
$$\mathbf{x = 4}$$

$$5x + 3y = 29$$
$$\underline{-5x + 15y = 25}$$

-5

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -5.
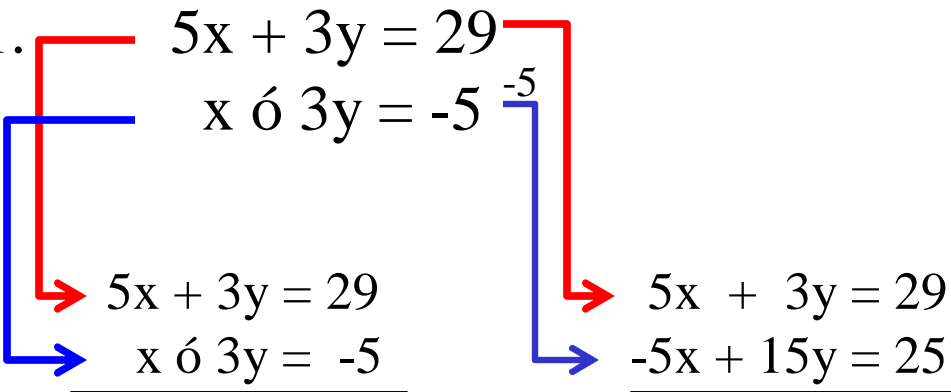
Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1.

$$5x + 3y = 29$$
$$x \mathbin{ó} 3y = -5 \quad {}^{-5}$$

$$5x + 3y = 29$$
$$\underline{x \mathbin{ó} 3y = -5}$$
$$6x = 24$$

$$\mathbf{x = 4}$$

$$5x + 3y = 29$$
$$\underline{-5x + 15y = 25}$$
$$18y$$

To solve for x, we must eliminate
the y terms.

Bring down the top equation.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.

Multiply both sides of the bottom
equation by -5.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$

         $x – 3y = -5$ $^{-5}$

$$5x + 3y = 29$$
$$x – 3y = -5$$
$$6x = 24$$

$$x = 4$$

$$5x + 3y = 29$$
$$-5x + 15y = 25$$
$$18y =$$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.
Multiply both sides of the bottom
equation by -5.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

1. $5x + 3y = 29$
        $x ó 3y = -5$ $^{-5}$

Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

$5x + 3y = 29$
$\underline{x ó 3y = \ -5}$
$6x \ = 24$

$\mathbf{x \ = 4}$

$5x \ + \ 3y = 29$
$\underline{-5x + 15y = 25}$
$18y \ = 54$

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -5.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

1. $5x + 3y = 29$
     $x \div 3y = -5$ $^{-5}$

$5x + 3y = 29$
$\underline{x \div 3y = -5}$
$6x = 24$

$x = 4$

$5x + 3y = 29$
$\underline{-5x + 15y = 25}$
$18y = 54$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -5.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

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Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$
          $x \acute{o} 3y = -5$ $^{-5}$

   $5x + 3y = 29$
   $\underline{x \acute{o} 3y = -5}$
      $6x = 24$

      $\mathbf{x = 4}$

   $5x + 3y = 29$
   $\underline{-5x + 15y = 25}$
      $18y = 54$

         $\mathbf{y}$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.
Multiply both sides of the bottom
equation by -5.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

1. $5x + 3y = 29$
     $x - 3y = -5$ -5

$5x + 3y = 29$
$x - 3y = -5$

$6x = 24$

$x = 4$

$5x + 3y = 29$
$-5x + 15y = 25$

$18y = 54$

$y =$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -5.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

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Solve each of the following systems of equations using the
multiplication-addition method.

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$$5x + 3y = 29$$
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$$5x + 3y = 29$$
$$\underline{x \div 3y = -5}$$
$$6x = 24$$
$$\mathbf{x = 4}$$

$$5x + 3y = 29$$
$$\underline{-5x + 15y = 25}$$
$$18y = 54$$
$$\mathbf{y = 3}$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -5.

Notice that the x terms are opposite. Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

1.
$$5x + 3y = 29$$
$$x ó 3y = -5$$
$^{-5}$

$$x = 4$$
$$y = 3$$

$$5x + 3y = 29$$
$$x ó 3y = -5$$
$$6x = 24$$
$$x = 4$$

$$5x + 3y = 29$$
$$-5x + 15y = 25$$
$$18y = 54$$
$$y = 3$$

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -5.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$
       $2x ó y = 12$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$
      $2x - y = 12$

To solve for x, we must eliminate the y terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

    $2x ó y = 12$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Bring down the top equation.

2. $4x + 5y = 10$

$2x \ – \ y = 12$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Bring down the top equation.

2. $4x + 5y = 10$

$2x \; ó \; y = 12$

$4x + 5y = 10$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

2.

$$4x + 5y = 10$$

$$2x \ \acute{o} \ y = 12$$

$$4x + 5y = 10$$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2.

$$4x + 5y = 10$$

5

$$2x \; 6 \; y = 12$$

$$4x + 5y = 10$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

$\quad {}^{5}\ 2x \ \text{ó} \ y = 12$

$\qquad 4x + 5y = 10$

$\qquad 10x$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

   $2x$ ó $y = 12$

   (5)

   $4x + 5y = 10$

   $10x$ ó

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$

5   $2x$ ó $y = 12$

$4x + 5y = 10$

$10x$ ó $5y$

To solve for x, we must eliminate the y terms.
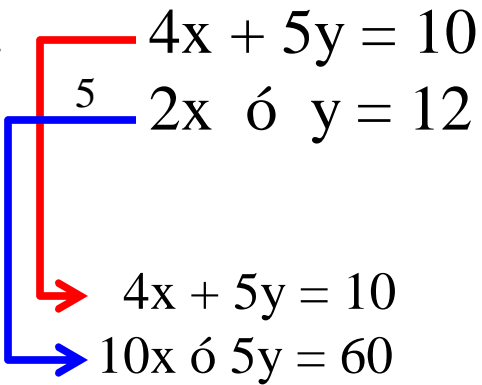Bring down the top equation.
Multiply both sides of the bottom equation by 5.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$

   ^{5} $2x$ ó $y = 12$

   $4x + 5y = 10$
   $10x$ ó $5y =$

To solve for x, we must eliminate the y terms.
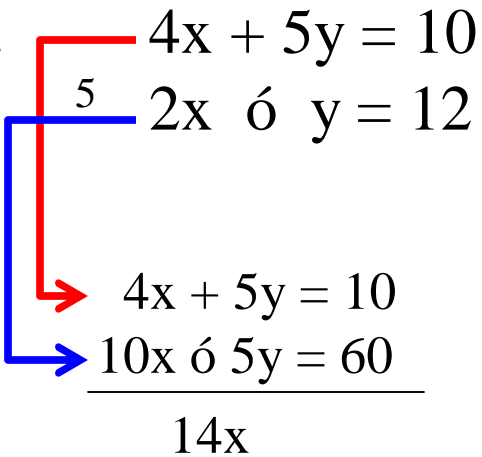Bring down the top equation.
Multiply both sides of the bottom equation by 5.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

$5 \quad 2x \ \acute{o} \ y = 12$

$4x + 5y = 10$

$10x \ \acute{o} \ 5y = 60$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

$\quad$ 5 $\quad 2x$ ó $y = 12$

$\quad\quad 4x + 5y = 10$

$\quad 10x$ ó $5y = 60$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.
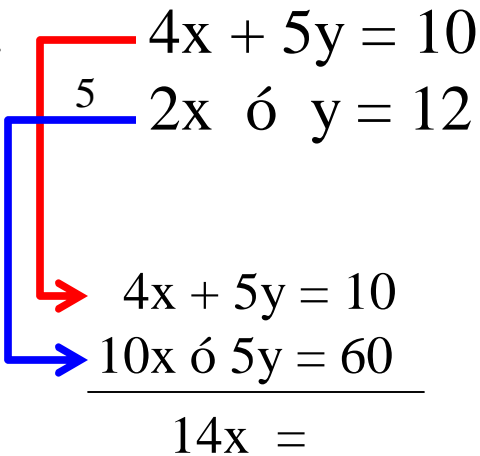
Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

  5   $2x\ \acute{o}\ y = 12$

   $4x + 5y = 10$
   $10x\ \acute{o}\ 5y = 60$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.
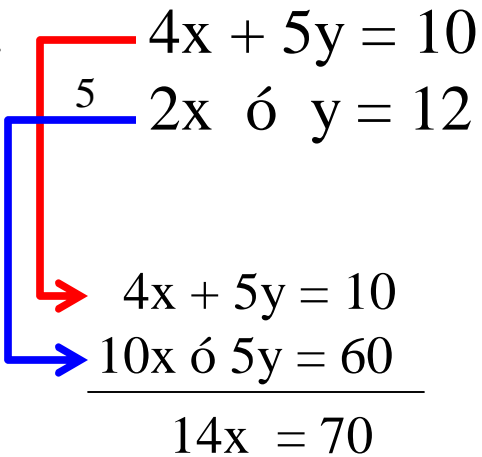
Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2.
$$4x + 5y = 10$$
$$2x \text{ ó } y = 12$$

$$4x + 5y = 10$$
$$\underline{10x \text{ ó } 5y = 60}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.
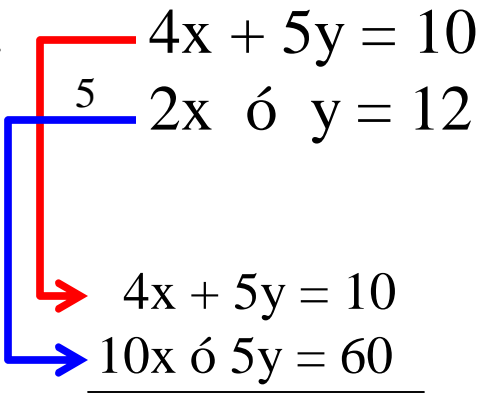
Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

   5 $2x - y = 12$

   $4x + 5y = 10$

   $10x - 5y = 60$
   _____

   $14x$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

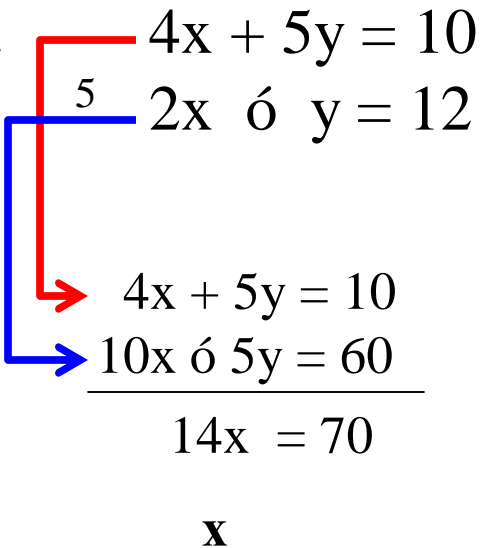Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2.

$$4x + 5y = 10$$

$$2x \; \acute{o} \; y = 12$$

$$4x + 5y = 10$$

$$10x \; \acute{o} \; 5y = 60$$

$$14x \; =$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
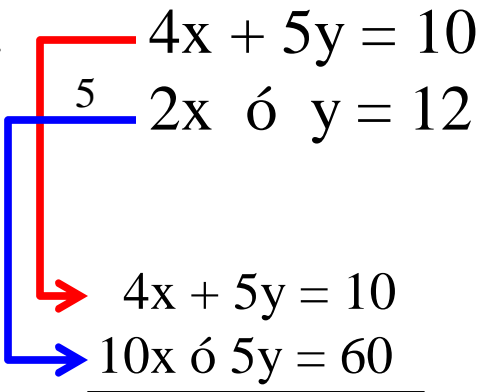
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$
  5   $2x \ \acute{o} \ y = 12$

  $4x + 5y = 10$
  $\underline{10x \ \acute{o} \ 5y = 60}$
  $14x \ = 70$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

  5   $2x \; \acute{o} \; y = 12$

  $4x + 5y = 10$
  $10x \; \acute{o} \; 5y = 60$
  _____
  $14x \; = 70$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

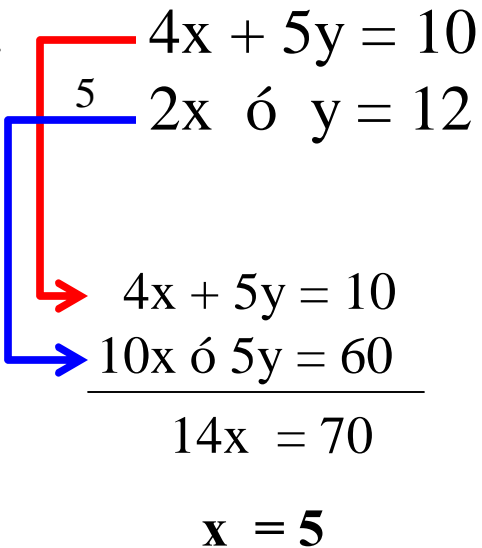Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2.

$$4x + 5y = 10$$

$$^5\ 2x \ \text{ó} \ y = 12$$

$$4x + 5y = 10$$
$$\underline{10x \ \text{ó} \ 5y = 60}$$
$$14x \ = 70$$

$$x$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

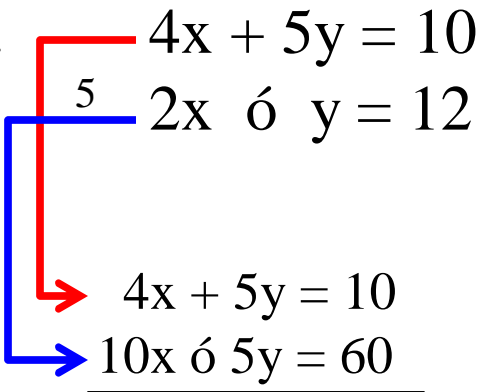Notice that the y terms are opposite.
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General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2.

$$4x + 5y = 10$$
$$2x \text{ ó } y = 12$$

5

$$4x + 5y = 10$$
$$\underline{10x \text{ ó } 5y = 60}$$
$$14x \ = 70$$

$$\mathbf{x} \ =$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

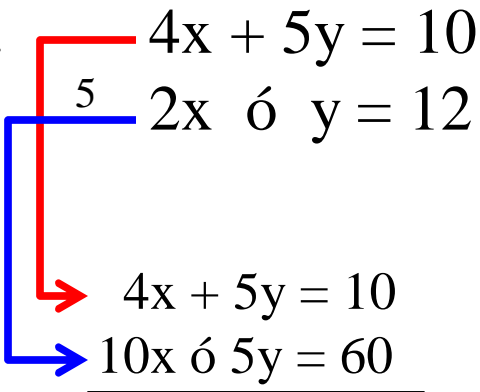Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$

5   $2x \; ó \; y = 12$

$4x + 5y = 10$

$\underline{10x \; ó \; 5y = 60}$

$14x \; = 70$

$x \; = 5$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

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To solve for x, we must eliminate the y terms.
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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

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   $^5\ 2x\ \acute{o}\ y = 12$

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To solve for x, we must eliminate the y terms.
Bring down the top equation.
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Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$

    $2x$ ó $y = 12$

    5

    $4x + 5y = 10$

    $\underline{10x\ \acute{o}\ 5y = 60}$

    $14x\ = 70$

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To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

5   $2x ó y = 12$

$4x + 5y = 10$ $4x + 5y = 10$

$10x ó 5y = 60$

$\overline{}$

$14x = 70$

$\mathbf{x = 5}$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

5    $2x\ \acute{o}\ y = 12$

$4x + 5y = 10$ $4x + 5y = 10$

$10x\ \acute{o}\ 5y = 60$

$14x = 70$

$x = 5$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Multiply both sides of the bottom
equation by 5.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.
Multiply both sides of the bottom
equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

$\quad$ 5 $2x ó y = 12$ -2

$\quad\quad 4x + 5y = 10$ $4x + 5y = 10$

$\quad\quad \underline{10x \; ó \; 5y = 60}$

$\quad\quad\quad 14x = 70$

$\quad\quad\quad\quad \mathbf{x = 5}$

To solve for x, we must eliminate
the y terms.

Bring down the top equation.

Multiply both sides of the bottom
equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.

Multiply both sides of the bottom
equation by -2.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2.
$$4x + 5y = 10$$
$$^5\ 2x\ 6\ y = 12\ ^{-2}$$

$$4x + 5y = 10$$
$$\underline{10x\ 6\ 5y = 60}$$
$$14x = 70$$

$$\mathbf{x = 5}$$

$$4x + 5y = 10$$
$$-4x$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2.

$$4x + 5y = 10$$

5 $2x \; 6 \; y = 12$ $^{-2}$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

$$4x + 5y = 10$$
$$\underline{10x \; 6 \; 5y = 60}$$
$$14x \; = 70$$

$$\mathbf{x = 5}$$

$$4x \; + 5y = \; 10$$
$$-4x +$$

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2.

$$4x + 5y = 10$$

$$5 \quad 2x \; \acute{o} \; y = 12 \quad {}^{-2}$$

$$4x + 5y = 10$$
$$\underline{10x \; \acute{o} \; 5y = 60}$$
$$14x = 70$$

$$x = 5$$

$$4x + 5y = 10$$
$$-4x + 2y$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

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Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$

   5 $2x \; ó \; y = 12$ $^{-2}$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

$4x + 5y = 10$
$\underline{10x \; ó \; 5y = 60}$
$14x = 70$

$\mathbf{x = 5}$

$4x + 5y = 10$
$-4x + 2y =$

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$
$2x \; ó \; y = 12$

^{5} $^{-2}$

$4x + 5y = 10$ $4x \; + 5y = \; 10$
$\underline{10x \; ó \; 5y = 60}$ $\underline{-4x + \; 2y = -24}$
$14x \; = 70$

$\mathbf{x = 5}$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2.
$$4x + 5y = 10$$
$$5 \quad 2x \; \acute{6} \; y = 12 \quad ^{-2}$$

$$4x + 5y = 10$$
$$\underline{10x \; \acute{6} \; 5y = 60}$$
$$14x = 70$$

$$\mathbf{x = 5}$$

$$4x + 5y = 10$$
$$-4x + 2y = -24$$

To solve for x, we must eliminate
the y terms.

Bring down the top equation.

Multiply both sides of the bottom
equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.

Multiply both sides of the bottom
equation by -2.

Notice that the x terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$
     $2x ó y = 12$

5

-2

$4x + 5y = 10$
$10x ó 5y = 60$
_____
$14x = 70$

$x = 5$

$4x + 5y = 10$
$-4x + 2y = -24$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Multiply both sides of the bottom
equation by 5.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.
Multiply both sides of the bottom
equation by -2.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

    5   $2x \text{ ó } y = 12$ -2

$4x + 5y = 10$

$10x \text{ ó } 5y = 60$

$14x = 70$

$x = 5$

$4x + 5y = 10$

$-4x + 2y = -24$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2.
$$4x + 5y = 10$$
$$2x \text{ ó } y = 12$$

^{5} $^{-2}$

$$4x + 5y = 10$$
$$\underline{10x \text{ ó } 5y = 60}$$
$$14x = 70$$

$$x = 5$$

$$4x + 5y = 10$$
$$\underline{-4x + 2y = -24}$$
$$7y$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$

   5   $2x$ ó $y = 12$ -2

$4x + 5y = 10$	$4x + 5y = 10$
$10x$ ó $5y = 60$	$-4x + 2y = -24$
$14x = 70$	$7y =$
$x = 5$	

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $4x + 5y = 10$
5    $2x \;ó\; y = 12$ ⁻²

$4x + 5y = 10$
$10x \;ó\; 5y = 60$
_____
$14x = 70$

$x = 5$

$4x + 5y = 10$
$-4x + 2y = -24$
_____
$7y = -14$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2. $4x + 5y = 10$
5   $2x \text{ ó } y = 12$ -2

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

$4x + 5y = 10$
$10x \text{ ó } 5y = 60$
_____
$14x = 70$

$x = 5$

$4x + 5y = 10$
$-4x + 2y = -24$
_____
$7y = -14$

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2.

$4x + 5y = 10$

$\overset{5}{}\, 2x \; \acute{o} \; y = 12 \;\;^{-2}$

$4x + 5y = 10$

$\underline{10x \; \acute{o} \; 5y = 60}$

$14x \; = 70$

$\mathbf{x = 5}$

$4x \; + 5y = \; 10$

$\underline{-4x + \; 2y = -24}$

$7y \; = -14$

y

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation. Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite. Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.
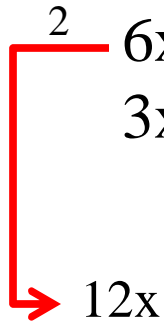
2.
$$4x + 5y = 10$$
$$2x \: ó \: y = 12$$
5   -2

$$4x + 5y = 10$$
$$10x \: ó \: 5y = 60$$
_____
$$14x = 70$$

$$\mathbf{x = 5}$$

$$4x + 5y = 10$$
$$-4x + 2y = -24$$
_____
$$7y = -14$$

$$\mathbf{y =}$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

2. $\begin{array}{l} 4x + 5y = 10 \\ 2x \ \acute{o} \ y = 12 \end{array}$
     5   -2

$$4x + 5y = 10$$
$$\underline{10x \ \acute{o} \ 5y = 60}$$
$$14x = 70$$

$$\mathbf{x = 5}$$

$$4x + 5y = 10$$
$$\underline{-4x + 2y = -24}$$
$$7y = -14$$

$$\mathbf{y = -2}$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

2.

$$4x + 5y = 10$$
$$2x \; \acute{o} \; y = 12$$

x = 5

y = -2

$$4x + 5y = 10$$
$$\underline{10x \; \acute{o} \; 5y = 60}$$
$$14x = 70$$

$$\mathbf{x = 5}$$

$$4x + 5y = 10$$
$$\underline{-4x + 2y = -24}$$
$$7y = -14$$

$$\mathbf{y = -2}$$

To solve for x, we must eliminate the y terms.

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Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3. $6x + 5y = 13$

$3x – 2y = -16$

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

3. $6x + 5y = 13$

$3x \div 2y = -16$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3. $6x + 5y = 13$

   $3x ó 2y = -16$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3. $\overset{2}{\underset{}{}}$ 6x + 5y = 13

         3x ó 2y = -16

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3. $\overset{2}{\underbrace{}}$ $6x + 5y = 13$

$3x \; \acute{o} \; 2y = -16$

$12x$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

3. 2 $6x + 5y = 13$

$3x \ominus 2y = -16$

$12x +$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$6x + 5y = 13$

$3x \,\acute{o}\, 2y = -16$

$12x + 10y$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

3. $\quad^2$ $6x + 5y =\ 13$

$\quad\quad 3x\ 6\ 2y = -16$

$\quad\quad 12x + 10y =$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

3. $\overset{2}{}$ 6x + 5y = 13

   3x ó 2y = -16

   12x + 10y = 26

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3. $\overset{2}{\underline{}}$ $6x + 5y = 13$

$3x \text{ ó } 2y = -16$

$12x + 10y = 26$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$6x + 5y = 13$$

$$3x ó 2y = -16$$

$$12x + 10y = 26$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$6x + 5y = 13$

$3x − 2y = -16$

$12x + 10y = 26$

$15x$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

3. $\quad$ 2 $\quad$ $6x + 5y = 13$

$\quad$ 5 $\quad$ $3x ó 2y = -16$

$12x + 10y = 26$

$15x ó$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$^2 \quad 6x + 5y =\ 13$$

$$^5 \quad 3x \text{ ó } 2y = -16$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

$$12x + 10y =\ 26$$

$$15x \text{ ó } 10y$$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

2 $6x + 5y = 13$

5 $3x - 2y = -16$

$12x + 10y = 26$

$15x - 10y =$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.
$$6x + 5y = 13$$
$$3x – 2y = -16$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

$$12x + 10y = 26$$
$$15x – 10y = -80$$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.

$\overset{2}{}$ $6x + 5y = 13$

$\overset{5}{}$ $3x \text{ ó } 2y = -16$

$12x + 10y = 26$

$15x \text{ ó } 10y = -80$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$2 \quad 6x + 5y = 13$$
$$5 \quad 3x - 2y = -16$$

$$12x + 10y = 26$$
$$15x - 10y = -80$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.
$$\begin{array}{c} ^2\; 6x + 5y = 13 \\ ^5\; 3x - 2y = -16 \end{array}$$

$$\begin{array}{c} 12x + 10y = 26 \\ 15x - 10y = -80 \end{array}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.

$$2 \quad 6x + 5y = 13$$

$$5 \quad 3x - 2y = -16$$

$$12x + 10y = 26$$

$$\underline{15x - 10y = -80}$$

$$27x$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

2 $6x + 5y = 13$

5 $3x - 2y = -16$

$12x + 10y = 26$

$15x - 10y = -80$

$27x =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$2 \quad 6x + 5y = 13$$

$$5 \quad 3x - 2y = -16$$

$$12x + 10y = 26$$
$$\underline{15x - 10y = -80}$$
$$27x = 54$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

2 — $6x + 5y = 13$

5 — $3x - 2y = -16$

$12x + 10y = 26$

$15x - 10y = -80$

$27x = 54$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3. $\overset{2}{}$ $6x + 5y = 13$

    $\overset{5}{}$ $3x - 2y = -16$

    $12x + 10y = 26$

    $\underline{15x - 10y = -80}$

       $27x = 54$

       x

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

2 $6x + 5y = 13$

5 $3x – 2y = -16$

$12x + 10y = 26$

$15x – 10y = -80$

$27x = 54$

$x =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.
$$2 \quad 6x + 5y = 13$$
$$5 \quad 3x - 2y = -16$$

$$12x + 10y = 26$$
$$\underline{15x - 10y = -80}$$
$$27x = 54$$

$$x = 2$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3. ^{2} — $6x + 5y = 13$

   ^{5} — $3x − 2y = -16$

   $12x + 10y = 26$

   $15x − 10y = -80$

   $27x = 54$

   $\mathbf{x = 2}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

3.

2 — $6x + 5y = 13$

5 — $3x - 2y = -16$

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

$$12x + 10y = 26$$
$$15x - 10y = -80$$
$$\overline{}$$
$$27x = 54$$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

$$x = 2$$

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.
$$\begin{array}{c} 2\\ 5 \end{array}$$

$$6x + 5y = 13$$
$$3x - 2y = -16$$

$$12x + 10y = 26$$
$$\underline{15x - 10y = -80}$$
$$27x = 54$$

$$\mathbf{x = 2}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.

$$2 \quad 6x + 5y = 13$$
$$5 \quad 3x - 2y = -16$$

$$12x + 10y = 26 \qquad 6x + 5y = 13$$
$$15x - 10y = -80$$
$$\overline{}$$
$$27x = 54$$

$$\mathbf{x = 2}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$\begin{array}{r} 2 \quad 6x + 5y = \ 13 \\ 5 \quad 3x - 2y = -16 \end{array}$$

$$12x + 10y = \ 26$$
$$\underline{15x - 10y = -80}$$
$$27x \ \ \ = 54$$
$$x \ = 2$$

$$6x + 5y = 13$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3. ^{2} 6x + 5y = 13

    ^{5} 3x ó 2y = -16 $^{-2}$

    12x + 10y = 26   6x + 5y = 13

    15x ó 10y = -80

    _____

    27x = 54

       x = 2

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$6x + 5y = 13$$
$$3x \; \acute{o} \; 2y = -16$$

$$12x + 10y = 26$$
$$\underline{15x \; \acute{o} \; 10y = -80}$$
$$27x = 54$$

$$x = 2$$

$$6x + 5y = 13$$
$$-6x$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.
$$2 \quad 6x + 5y = 13$$
$$5 \quad 3x - 2y = -16 \quad -2$$

$$12x + 10y = 26$$
$$\underline{15x - 10y = -80}$$
$$27x = 54$$

$$x = 2$$

$$6x + 5y = 13$$
$$-6x +$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$2 \quad 6x + 5y = 13$$

$$5 \quad 3x - 2y = -16 \quad -2$$

$$12x + 10y = 26$$
$$\underline{15x - 10y = -80}$$
$$27x = 54$$

$$x = 2$$

$$6x + 5y = 13$$
$$-6x + 4y$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$6x + 5y = 13$$
$$3x - 2y = -16$$

(top equation multiplied by 2, bottom equation by 5)

$$12x + 10y = 26$$
$$\underline{15x - 10y = -80}$$
$$27x = 54$$

$$x = 2$$

(bottom equation multiplied by -2)

$$6x + 5y = 13$$
$$-6x + 4y =$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.

2 — $6x + 5y = 13$

5 — $3x ó 2y = -16$ -2

$12x + 10y = 26$

$15x ó 10y = -80$

$27x = 54$

$x = 2$

$6x + 5y = 13$

$-6x + 4y = 32$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.

$$6x + 5y = 13$$
$$3x – 2y = -16$$

$$12x + 10y = 26$$
$$\underline{15x – 10y = -80}$$
$$27x = 54$$

$$\mathbf{x = 2}$$

$$6x + 5y = 13$$
$$-6x + 4y = 32$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.
$$2 \quad 6x + 5y = 13$$
$$5 \quad 3x - 2y = -16 \quad {}^{-2}$$

$$12x + 10y = 26$$
$$\underline{15x - 10y = -80}$$
$$27x = 54$$

$$x = 2$$

$$6x + 5y = 13$$
$$-6x + 4y = 32$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation. Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.

$$^2\ 6x + 5y = \ 13$$
$$^5\ 3x \ \acute{o} \ 2y = -16 \ ^{-2}$$

$$12x + 10y = \ 26$$
$$\underline{15x \ \acute{o} \ 10y = -80}$$
$$27x \ \ = 54$$

$$\mathbf{x \ = 2}$$

$$6x + 5y = 13$$
$$\underline{-6x + 4y = 32}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

3.

^2 $6x + 5y = 13$

^5 $3x - 2y = -16$ $^{-2}$

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

$$12x + 10y = 26$$
$$\underline{15x - 10y = -80}$$
$$27x = 54$$

$$\mathbf{x = 2}$$

$$6x + 5y = 13$$
$$\underline{-6x + 4y = 32}$$
$$9y$$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.

$$^2\_\_ 6x + 5y = 13$$

$$^5\_\_ 3x \text{ ó } 2y = -16 \quad ^{-2}$$

$$12x + 10y = 26$$
$$\underline{15x \text{ ó } 10y = -80}$$
$$27x = 54$$

$$x = 2$$

$$6x + 5y = 13$$
$$\underline{-6x + 4y = 32}$$
$$9y =$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$\overset{2}{}6x + 5y = 13$$
$$\overset{5}{}3x \text{ ó } 2y = -16 \overset{-2}{}$$

$$12x + 10y = 26$$
$$15x \text{ ó } 10y = -80$$
$$\overline{}$$
$$27x = 54$$

$$x = 2$$

$$6x + 5y = 13$$
$$-6x + 4y = 32$$
$$\overline{}$$
$$9y = 45$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$6x + 5y = 13$$
$$3x - 2y = -16$$

$$12x + 10y = 26$$
$$15x - 10y = -80$$
$$\overline{27x = 54}$$

$$x = 2$$

$$6x + 5y = 13$$
$$-6x + 4y = 32$$
$$\overline{9y = 45}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.
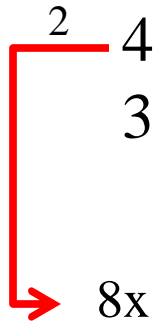
3.

$$2 \quad 6x + 5y = 13$$

$$5 \quad 3x \text{ ó } 2y = -16 \quad -2$$

$$12x + 10y = 26$$
$$\underline{15x \text{ ó } 10y = -80}$$
$$27x = 54$$

$$\mathbf{x = 2}$$

$$6x + 5y = 13$$
$$\underline{-6x + 4y = 32}$$
$$9y = 45$$

$$y$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3.

$$2 \quad 6x + 5y = 13$$

$$5 \quad 3x \text{ ó } 2y = -16 \quad ^{-2}$$

$$12x + 10y = 26$$
$$\underline{15x \text{ ó } 10y = -80}$$
$$27x = 54$$

$$\mathbf{x = 2}$$

$$6x + 5y = 13$$
$$\underline{-6x + 4y = 32}$$
$$9y = 45$$

$$\mathbf{y =}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

3.

$$\overset{2}{}6x + 5y = 13$$

$$\overset{5}{}3x - 2y = -16 \overset{-2}{}$$

$$12x + 10y = 26$$
$$\underline{15x - 10y = -80}$$
$$27x = 54$$

$$\mathbf{x = 2}$$

$$6x + 5y = 13$$
$$\underline{-6x + 4y = 32}$$
$$9y = 45$$

$$\mathbf{y = 5}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

3. $\overset{2}{}$ 6x + 5y = 13

    $\overset{5}{}$ 3x ó 2y = -16 $\overset{-2}{}$

x = 2
y = 5

$$12x + 10y = 26$$
$$\underline{15x \text{ ó } 10y = -80}$$
$$27x = 54$$

$$\mathbf{x = 2}$$

$$6x + 5y = 13$$
$$\underline{-6x + 4y = 32}$$
$$9y = 45$$

$$\mathbf{y = 5}$$

To solve for x, we must eliminate
the y terms.

Multiply both sides of the top
equation by 2.

Multiply both sides of the bottom
equation by 5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.
Multiply both sides of the bottom
equation by -2.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. $4x + y = 3$
        $3x ó 2y = 16$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

4. $4x + y = 3$

          $3x - 2y = 16$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. $4x + y = 3$

          $3x ó 2y = 16$

To solve for x, we must eliminate
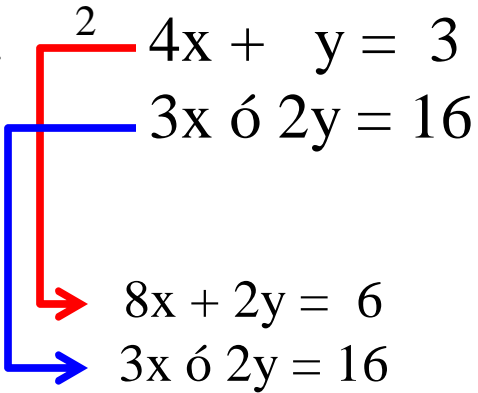the y terms.
Multiply both sides of the top
equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. $\overset{2}{} 4x + y = 3$

$ 3x - 2y = 16$

To solve for x, we must eliminate the y terms.
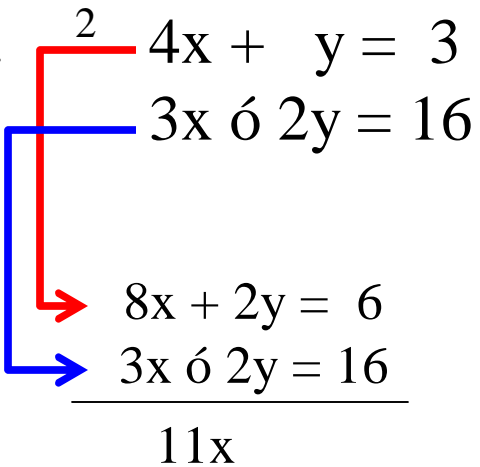Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.

4. $2 \Big[\begin{array}{l} 4x + \ y = \ 3 \\ 3x \ \acute{o} \ 2y = 16 \end{array}$

$\rightarrow \ 8x$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. $\overset{2}{\underline{}}4x + \ y = \ 3$
   $3x \ 6 \ 2y = 16$

   $8x +$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. ^{2} 4x + y = 3
     3x ó 2y = 16

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.

8x + 2y

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

4. ^{2} 4x + y = 3

3x ó 2y = 16

8x + 2y =

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. 2 $\quad$ $4x + y = 3$

$\qquad$ $3x$ ó $2y = 16$

$\qquad$ $8x + 2y = 6$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. $\quad^2\!\!-\!\!4x + \ y = 3$

$\qquad 3x \ \acute{o} \ 2y = 16$

$\qquad\qquad 8x + 2y = 6$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. 2 $4x + y = 3$

$3x \; ó \; 2y = 16$

$8x + 2y = 6$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4.

$$4x + y = 3$$
$$3x - 2y = 16$$

$$8x + 2y = 6$$
$$3x - 2y = 16$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4.

$$2 \begin{array}{l} 4x + y = 3 \\ 3x - 2y = 16 \end{array}$$

$$8x + 2y = 6$$
$$3x - 2y = 16$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. 2 $4x + y = 3$

   $3x - 2y = 16$

   $8x + 2y = 6$
   $3x - 2y = 16$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. ^{2} $4x +\ y = 3$
      $3x ó 2y = 16$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.

Add the equations.

$8x + 2y = 6$
$3x ó 2y = 16$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4.

$$2 \quad 4x + \quad y = 3$$
$$3x - 2y = 16$$

$$8x + 2y = 6$$
$$\underline{3x - 2y = 16}$$
$$11x$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
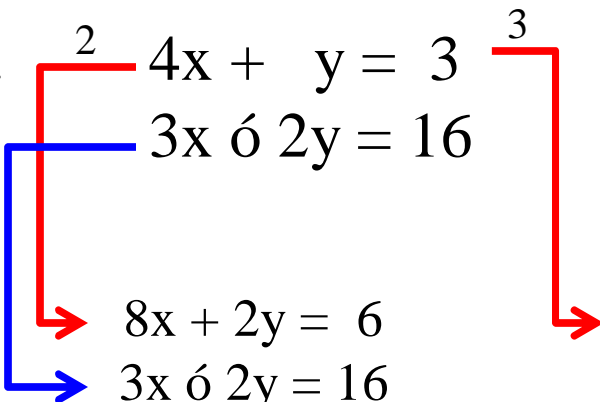Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. $\overset{2}{}$ 4x + y = 3

 3x ó 2y = 16

 8x + 2y = 6

 3x ó 2y = 16

 11x =

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. $\overset{2}{}$ $4x + y = 3$
$3x - 2y = 16$

$8x + 2y = 6$
$\underline{3x - 2y = 16}$
$11x = 22$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. $\overset{2}{}\begin{aligned} 4x + y &= 3 \\ 3x - 2y &= 16 \end{aligned}$

$$\begin{aligned} 8x + 2y &= 6 \\ \underline{3x - 2y = 16} \\ 11x = 22 \end{aligned}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. ^{2} 4x + y = 3
    3x ó 2y = 16

8x + 2y = 6
3x ó 2y = 16
_____
11x = 22

x

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

4. ^{2} ⌐ $4x + y = 3$

    └─ $3x - 2y = 16$

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

$8x + 2y = 6$

$\underline{3x - 2y = 16}$

$11x = 22$

$x =$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. $\overset{2}{}$ 4x + y = 3

3x ó 2y = 16

8x + 2y = 6

3x ó 2y = 16
_____

11x = 22

x = 2

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. $\overset{2}{}4x + y = 3$

$3x - 2y = 16$

$8x + 2y = 6$

$\underline{3x - 2y = 16}$

$11x = 22$

$\mathbf{x = 2}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation. Notice that the y terms are opposite. Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. $\overset{2}{}$ 4x + y = 3

   3x – 2y = 16

   8x + 2y = 6

   3x – 2y = 16
   _____

   11x = 22

   x = 2

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4.

$2 \quad 4x + \quad y = 3 \quad 3$

$3x − 2y = 16$

$8x + 2y = 6$

$3x − 2y = 16$

$\overline{\qquad\qquad\qquad}$

$11x = 22$

$x = 2$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. ^{2} $4x + y = 3$ ^{3}

   $3x − 2y = 16$

   $8x + 2y = 6$ $12x$
   $3x − 2y = 16$
   _____
   $11x = 22$

   $x = 2$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. ^{2} $4x + y = 3$ ^{3}

$3x – 2y = 16$

$8x + 2y = 6$ $12x +$

$\underline{3x – 2y = 16}$

$11x = 22$

$x = 2$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. $\overset{2}{}4x + y = 3 \quad \overset{3}{}$
    $3x - 2y = 16$

   $8x + 2y = 6 \qquad 12x + 3y$
   $3x - 2y = 16$
   _____
   $11x = 22$

   $x = 2$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. ^{2} 4x + y = 3 ^{3}

3x ó 2y = 16

8x + 2y = 6   12x + 3y =

3x ó 2y = 16
_____

11x = 22

$x = 2$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. ^{2} 4x + y = 3 ^{3}

   3x – 2y = 16

   8x + 2y = 6   12x + 3y = 9

   3x – 2y = 16

   ―――――――――

   11x = 22

   x = 2

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. ^{2} 4x + y = 3 ^{3}

3x ó 2y = 16

8x + 2y = 6   12x + 3y = 9

3x ó 2y = 16

11x = 22

x = 2

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4.

^{2} $4x + y = 3$ ^{3}

$3x - 2y = 16$ $^{-4}$

$8x + 2y = 6$ $12x + 3y = 9$

$\underline{3x - 2y = 16}$

$11x = 22$

$x = 2$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4.

$$2 \begin{array}{l} 4x + \ y = 3 \\ 3x - 2y = 16 \end{array} \begin{array}{l} 3 \\ -4 \end{array}$$

$$\begin{array}{l} 8x + 2y = \ 6 \\ 3x - 2y = 16 \\ \hline 11x \ = 22 \end{array}$$

$$x \ = 2$$

$$\begin{array}{l} 12x + 3y = \ 9 \\ -12x \end{array}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. ^{2} 4x + y = 3 ^{3}

  3x ó 2y = 16 $^{-4}$

$$8x + 2y = 6$$
$$3x \text{ ó } 2y = 16$$
$$\overline{}$$
$$11x = 22$$

$$x = 2$$

$$12x + 3y = 9$$
$$-12x +$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. ^{2} 4x + y = 3 ^{3}

   3x ó 2y = 16 $^{-4}$

   8x + 2y = 6   12x + 3y = 9

   3x ó 2y = 16   -12x + 8y

   _____

   11x = 22

   x = 2

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. ^{2} 4x + y = 3 ^{3}

 3x ó 2y = 16 $^{-4}$

8x + 2y = 6   12x + 3y = 9

 3x ó 2y = 16   -12x + 8y =

 11x = 22

  x = **2**

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. ^{2} 4x + y = 3 ^{3}

   3x ó 2y = 16 $^{-4}$

   8x + 2y = 6   12x + 3y = 9
   3x ó 2y = 16   -12x + 8y = -64
   _____
   11x = 22

   x = 2

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. ^{2} 4x + y = 3 ^{3}
       3x ó 2y = 16 $^{-4}$

$8x + 2y = 6$
$3x\ ó\ 2y = 16$
_____
$11x = 22$

$x = 2$

$12x + 3y = 9$
$-12x + 8y = -64$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. $\quad^2\!\!\!\underbrace{\quad} 4x + \ y = 3 \quad ^3\!\!\underbrace{\quad}$

$\quad\quad 3x \div 2y = 16 \quad ^{-4}\!\!\underbrace{\quad}$

$$8x + 2y = \ 6$$
$$\underline{3x \div 2y = 16}$$
$$11x \ = 22$$

$$x \ = 2$$

$$12x + 3y = \ 9$$
$$-12x + 8y = -64$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Bring down the bottom equation. Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4.
$$^2 \quad 4x + \quad y = 3 \quad ^3$$
$$3x \: – \: 2y = 16 \quad ^{-4}$$

$$8x + 2y = \quad 6$$
$$\underline{3x \: – \: 2y = 16}$$
$$11x \quad = 22$$

$$x = 2$$

$$12x + 3y = \quad 9$$
$$\underline{-12x + 8y = -64}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. ^{2} ⌐ 4x + y = 3 ^{3} ⌐

   3x ó 2y = 16 $^{-4}$

   8x + 2y = 6   12x + 3y = 9

   3x ó 2y = 16   -12x + 8y = -64
   ─────────────   ────────────────
   11x = 22   11y

   x = 2

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4.
$$2 \quad 4x + \quad y = 3 \quad 3$$
$$3x - 2y = 16 \quad {-4}$$

$$8x + 2y = 6$$
$$\underline{3x - 2y = 16}$$
$$11x = 22$$

$$\mathbf{x = 2}$$

$$12x + 3y = 9$$
$$\underline{-12x + 8y = -64}$$
$$11y =$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. $\overset{2}{\quad} 4x + \ y = 3 \quad \overset{3}{\quad}$

$\quad 3x - 2y = 16 \quad ^{-4}$

$8x + 2y = \ 6$

$\underline{3x - 2y = 16}$

$11x \ = 22$

$\mathbf{x = 2}$

$12x + 3y = \ 9$

$\underline{-12x + 8y = -64}$

$11y \ = -55$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4.

$^2 \quad 4x + \ y = 3 \quad ^3$

$\quad 3x - 2y = 16 \quad ^{-4}$

$8x + 2y = 6$

$\underline{3x - 2y = 16}$

$11x \ = 22$

$x = 2$

$12x + 3y = \ 9$

$\underline{-12x + 8y = -64}$

$11y \ = -55$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4. ^{2} 4x + y = 3 ^{3}

$\quad$ 3x ó 2y = 16 $^{-4}$

$\quad\quad$ 8x + 2y = 6

$\quad\quad$ 3x ó 2y = 16

$\quad\quad$ ————————

$\quad\quad\quad$ 11x = 22

$\quad\quad\quad$ **x = 2**

$\quad\quad$ 12x + 3y = 9

$\quad\quad$ -12x + 8y = -64

$\quad\quad$ ————————

$\quad\quad\quad$ 11y = -55

$\quad\quad\quad$ **y**

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation. Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite. Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4.

$$^{2}\!\!\int 4x + y = 3 \quad ^{3}$$
$$3x \div 2y = 16 \quad ^{-4}$$

$$8x + 2y = 6$$
$$3x \div 2y = 16$$
$$\overline{11x = 22}$$
$$x = 2$$

$$12x + 3y = 9$$
$$-12x + 8y = -64$$
$$\overline{11y = -55}$$
$$y =$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

4.

$$2 \rightarrow 4x + y = 3 \quad 3$$
$$3x \acute{o} 2y = 16 \quad {}^{-4}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

$$8x + 2y = 6$$
$$\underline{3x \acute{o} 2y = 16}$$
$$11x = 22$$

$$x = 2$$

$$12x + 3y = 9$$
$$\underline{-12x + 8y = -64}$$
$$11y = -55$$

$$y = -5$$

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

4. 2 $4x + y = 3$ 3

$3x \ominus 2y = 16$ -4

$x = 2$

$y = -5$

$8x + 2y = 6$

$3x \ominus 2y = 16$

$11x = 22$

$x = 2$

$12x + 3y = 9$

$-12x + 8y = -64$

$11y = -55$

$y = -5$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

Bring down the bottom equation.
Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.
Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. $3x + 5y = 12$
        $2x + 3y = 7$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.

5. $3x + 5y = 12$
       $2x + 3y = 7$

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.

5. $3x + 5y = 12$

        $2x + 3y = 7$

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.

5. 3 $3x + 5y = 12$

     $2x + 3y = 7$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5. $\overset{3}{}$ 3x + 5y = 12

2x + 3y = 7

9x

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.

5. $\overset{3}{}$ 3x + 5y = 12

       2x + 3y = 7

       9x +

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.

5. $\overset{3}{}$ $3x + 5y = 12$

           $2x + 3y = \ 7$

           $9x + 15y$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5. $\overset{3}{\quad}$ $3x + 5y = 12$

   $2x + 3y = 7$

   $9x + 15y =$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.

5. $\overset{3}{\quad}$ $3x + 5y = 12$

$2x + 3y = \ 7$

$9x + 15y = 36$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. 3 $3x + 5y = 12$

           $2x + 3y = 7$

           $9x + 15y = 36$
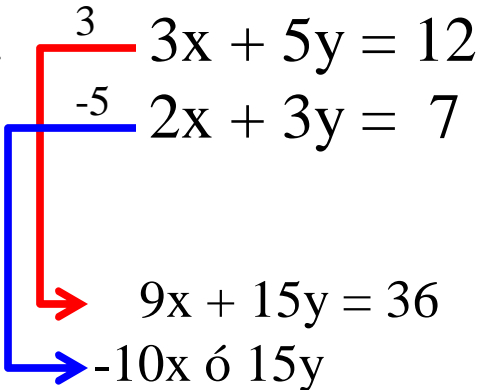
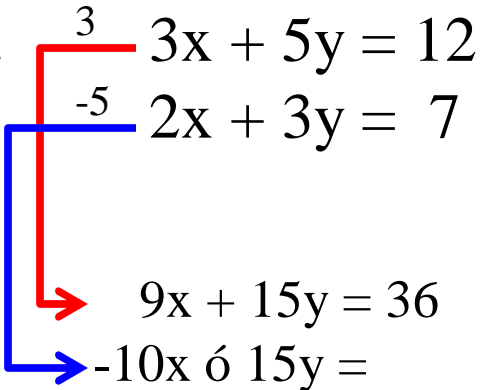To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$3x + 5y = 12$

$2x + 3y = 7$

$9x + 15y = 36$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.
$3x + 5y = 12$ (×3)

$2x + 3y = 7$ (×-5)

$9x + 15y = 36$

$-10x$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$$3x + 5y = 12$$

$$2x + 3y = 7$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

$$9x + 15y = 36$$

$$-10x \; 6$$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. $3x + 5y = 12$ (×3)

$2x + 3y = 7$ (×-5)

$9x + 15y = 36$

$-10x \; 6 \; 15y$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$3x + 5y = 12$

$2x + 3y = 7$

$9x + 15y = 36$

$-10x - 15y =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

5.

$3x + 5y = 12$ ³

$2x + 3y = 7$ ⁻⁵

$9x + 15y = 36$

$-10x \, ó \, 15y = -35$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$$3x + 5y = 12$$
$$2x + 3y = 7$$

$$9x + 15y = 36$$
$$-10x - 15y = -35$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. $3x + 5y = 12$ ^{3}

$2x + 3y = 7$ $^{-5}$

$9x + 15y = 36$

$-10x ó 15y = -35$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. $\underset{-5}{\overset{3}{}}$ $3x + 5y = 12$
              $2x + 3y = 7$

  $9x + 15y = 36$
  $-10x \ \acute{o} \ 15y = -35$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. $\overset{3}{}$ $3x + 5y = 12$

   $\overset{-5}{}$ $2x + 3y = 7$

   $9x + 15y = 36$

   $\underline{-10x \, ó \, 15y = -35}$

   $-1x$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. ^{3} $3x + 5y = 12$

     $^{-5}$ $2x + 3y = 7$

       $9x + 15y = 36$

     $\underline{-10x\ \acute{o}\ 15y = -35}$

       $-1x\ =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$$3x + 5y = 12$$

$$2x + 3y = 7$$

$$9x + 15y = 36$$

$$-10x \text{ ó } 15y = -35$$

$$-1x = 1$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5. $\underset{-5}{\overset{3}{}}$ $3x + 5y = 12$

$2x + 3y = 7$

$9x + 15y = 36$

$\underline{-10x \; \acute{o} \; 15y = -35}$

$-1x = 1$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5. $^{3}$ $3x + 5y = 12$

$^{-5}$ $2x + 3y = 7$

$9x + 15y = 36$

$-10x ó 15y = -35$

_____

$-1x = 1$

x

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

$\overset{3}{\underline{\quad}}$ $3x + 5y = 12$

$\overset{-5}{\underline{\quad}}$ $2x + 3y = 7$

$9x + 15y = 36$

$\underline{-10x - 15y = -35}$

$-1x = 1$

$\mathbf{x} =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

$3x + 5y = 12$

$2x + 3y = 7$

$9x + 15y = 36$

$-10x − 15y = -35$

$-1x = 1$

$x = -1$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. $\underline{}^33x + 5y = 12$

$\underline{}_{-5}2x + 3y = 7$

$9x + 15y = 36$

$\underline{-10x + 15y = -35}$

$-1x = 1$

$\mathbf{x ~= -1}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

$$3x + 5y = 12$$ (×3)

$$2x + 3y = 7$$ (×-5)

$$9x + 15y = 36$$

$$-10x \text{ ó } 15y = -35$$

$$-1x = 1$$

$$\mathbf{x = -1}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$3x + 5y = 12$

$2x + 3y = 7$

$9x + 15y = 36$

$\underline{-10x \text{ ó } 15y = -35}$

$-1x = 1$

$\mathbf{x = -1}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$$3x + 5y = 12$$

$$2x + 3y = 7$$

$$9x + 15y = 36 \qquad 6x$$

$$\underline{-10x ó 15y = -35}$$

$$-1x = 1$$

$$\mathbf{x = -1}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

$$3x + 5y = 12$$

$$2x + 3y = 7$$

$$9x + 15y = 36 \qquad 6x +$$
$$-10x + 15y = -35$$
$$\overline{}$$
$$-1x = 1$$

$$\mathbf{x = -1}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

$$3x + 5y = 12$$
$$2x + 3y = 7$$

3
-5
2

$$9x + 15y = 36 \qquad 6x + 10y$$
$$-10x\ 6\ 15y = -35$$
$$\overline{}$$
$$-1x = 1$$

$$\mathbf{x = -1}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$$3x + 5y = 12$$
$$2x + 3y = 7$$

3 2

-5

$$9x + 15y = 36$$
$$-10x ó 15y = -35$$

$$6x + 10y =$$

$$-1x = 1$$

$$\mathbf{x = -1}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. 3 ⎡ $3x + 5y = 12$ ⎤ 2

   -5 ⎣ $2x + 3y = 7$

$9x + 15y = 36$ $6x + 10y = 24$

$-10x ó 15y = -35$
_____

$-1x = 1$

$x = -1$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. $^{3}$ $3x + 5y = 12$ $^{2}$

$^{-5}$ $2x + 3y = 7$

$9x + 15y = 36$ $\qquad$ $6x + 10y = 24$

$-10x \; ó \; 15y = -35$

$-1x = 1$

$x = -1$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

3 $3x + 5y = 12$ 2

-5 $2x + 3y = \ 7$ -3

$9x + 15y = 36$ $6x + 10y = \ 24$

$-10x\ \acute{o}\ 15y = -35$

$-1x \ = 1$

$x \ = -1$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.

5. ^{3} $3x + 5y = 12$ ^{2}
     $^{-5}$ $2x + 3y = 7$ $^{-3}$

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

$9x + 15y = 36$ $6x + 10y = 24$

$-10x \; ó \; 15y = -35$ $-6x$

$-1x = 1$

$x = -1$

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. $3x + 5y = 12$

$2x + 3y = 7$

$9x + 15y = 36$

$-10x \text{ ó } 15y = -35$

$-1x = 1$

$\mathbf{x = -1}$

$6x + 10y = 24$

$-6x \text{ ó}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5. ^{3} $3x + 5y = 12$ ^{2}
     $^{-5}$ $2x + 3y =\ 7$ $^{-3}$

$9x + 15y = 36$ $6x + 10y =\ 24$
$-10x\ ó\ 15y = -35$ $-6x\ ó\ \ 9y$
$-1x\ = 1$

$x\ = -1$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

$$3x + 5y = 12$$
$$2x + 3y = 7$$

$$9x + 15y = 36$$
$$-10x ó 15y = -35$$
$$-1x = 1$$

$$x = -1$$

$$6x + 10y = 24$$
$$-6x ó 9y =$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$$3x + 5y = 12$$

$$2x + 3y = 7$$

$$9x + 15y = 36$$
$$-10x ó 15y = -35$$

$$-1x = 1$$

$$x = -1$$

$$6x + 10y = 24$$
$$-6x ó 9y = -21$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$$3x + 5y = 12$$
$$2x + 3y = 7$$

$$9x + 15y = 36$$
$$\underline{-10x\ \acute{o}\ 15y = -35}$$
$$-1x\ = 1$$

$$x = \mathbf{-1}$$

$$6x + 10y = 24$$
$$-6x\ \acute{o}\ 9y = -21$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

$$3x + 5y = 12$$

$$2x + 3y = 7$$

$$9x + 15y = 36$$

$$-10x \text{ ó } 15y = -35$$

$$-1x = 1$$

$$\mathbf{x = -1}$$

$$6x + 10y = 24$$

$$-6x \text{ ó } 9y = -21$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$$3x + 5y = 12$$

$$2x + 3y = 7$$

$$9x + 15y = 36$$

$$-10x \text{ ó } 15y = -35$$

$$-1x = 1$$

$$\mathbf{x = -1}$$

$$6x + 10y = 24$$

$$-6x \text{ ó } 9y = -21$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

5.

$$3x + 5y = 12$$
$$2x + 3y = 7$$

$$9x + 15y = 36$$
$$-10x ó 15y = -35$$
$$-1x = 1$$

$$x = -1$$

$$6x + 10y = 24$$
$$-6x ó 9y = -21$$
y

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.
$3x + 5y = 12$
$2x + 3y = 7$

$9x + 15y = 36$
$-10x ó 15y = -35$

$-1x = 1$

$x = -1$

$6x + 10y = 24$
$-6x ó 9y = -21$

$y =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

$$3x + 5y = 12$$
$$2x + 3y = 7$$

3 ... 2

-5 ... -3

$$9x + 15y = 36$$
$$-10x \text{ ó } 15y = -35$$
$$-1x = 1$$

$$\mathbf{x = -1}$$

$$6x + 10y = 24$$
$$-6x \text{ ó } 9y = -21$$
$$\mathbf{y = 3}$$

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Multiply both sides of the top equation by 2.

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Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

5.

$$3x + 5y = 12$$
$$2x + 3y = 7$$

x = -1	
y = 3	

$$9x + 15y = 36$$
$$-10x \acute{o}\ 15y = -35$$
$$-1x\ = 1$$
$$x\ = -1$$

$$6x + 10y = 24$$
$$-6x\ \acute{o}\ \ 9y = -21$$
$$y\ = 3$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

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Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

6. $x + 4y = -5$
          $3x + 2y = 15$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

6.
$$x + 4y = -5$$
$$3x + 2y = 15$$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

6. $x + 4y = -5$

$3x + 2y = 15$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.

$$x + 4y = -5$$

$$3x + 2y = 15$$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Bring down the top equation.

6. $x + 4y = -5$

$3x + 2y = 15$

$x + 4y = -5$

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

6.

$x + 4y = -5$

$3x + 2y = 15$

$x + 4y = -5$

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

6.

$$x + 4y = -5$$

$$^{-2} \quad 3x + 2y = 15$$

$$x + 4y = -5$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6. $x + 4y = -5$

$^{-2}$ $3x + 2y = 15$

$x + 4y = -5$

$-6x$

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6. $x + 4y = -5$

  -2 $3x + 2y = 15$

   $x + 4y = -5$

   $-6x$ ó

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.

6. $x + 4y = -5$

$-2 \quad 3x + 2y = 15$

$x + 4y = -5$

$-6x \acute{o} 4y$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.

6.

$$x + 4y = -5$$
$$^{-2}\ 3x + 2y = 15$$

$$x + 4y = -5$$
$$-6x\ \acute{o}\ 4y =$$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6. $x + 4y = -5$

$^{-2} \ 3x + 2y = 15$

$x + 4y = -5$

$-6x \ \acute{o} \ 4y = -30$

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6. $x + 4y = -5$

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the y terms.
Bring down the top equation.

Multiply both sides of the bottom
equation by -2.
Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

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$$x + 4y = -5$$

$$-2 \quad 3x + 2y = 15$$

$$x + 4y = -5$$

$$-6x \; ó \; 4y = -30$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.
Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
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6.

$$x + 4y = -5$$

$$^{-2} \quad 3x + 2y = 15$$

$$x + 4y = -5$$

$$-6x \text{ ó } 4y = -30$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.

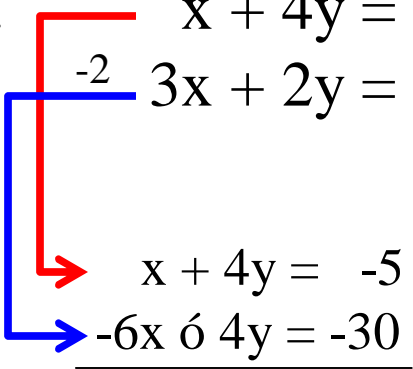Multiply both sides of the bottom equation by -2.
Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6. $x + 4y = -5$

  $^{-2}$ $3x + 2y = 15$

     $x + 4y = -5$

  $-6x$ ó $4y = -30$
  _____

     $-5x$

To solve for x, we must eliminate
the y terms.
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equation by -2.
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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
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   _____

      $-5x =$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.

Multiply both sides of the bottom
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Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6. $\quad x + 4y = -5$

$\quad^{-2} 3x + 2y = 15$

$\quad x + 4y = -5$

$\quad -6x ó 4y = -30$

$\quad \overline{}$

$\quad -5x = -35$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.

Multiply both sides of the bottom
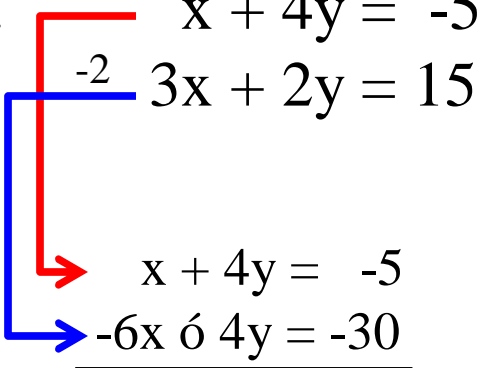equation by -2.
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Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.
$$x + 4y = -5$$
$$^{-2}\ 3x + 2y = 15$$

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$$-6x \text{ ó } 4y = -30$$
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To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.
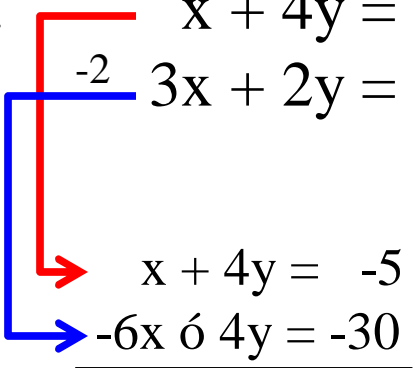Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3   Solutions

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multiplication-addition method.

6.   x + 4y = -5

-2   3x + 2y = 15

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

$$x + 4y = -5$$
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$$\overline{\phantom{-6x \; \acute{o} \; 4y = -30}}$$
$$-5x = -35$$

x

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
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$$x + 4y = -5$$

$$^{-2} \quad 3x + 2y = 15$$

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General Algebra 2   CWS #3   Unit 3 Solutions

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multiplication-addition method.

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$$x + 4y = -5$$

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$$-5x = -35$$

$$\mathbf{x = 7}$$

To solve for x, we must eliminate
the y terms.
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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

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$$x + 4y = -5$$
$$^{-2} \; 3x + 2y = 15$$

$$x + 4y = \;\;-5$$
$$-6x \;ó\; 4y = -30$$
$$\overline{}$$
$$-5x \;= -35$$

$$\mathbf{x \;= 7}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.

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To solve for y, we must eliminate the x terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

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$$x + 4y = -5$$
$$^{-2}\ 3x + 2y = 15$$

$$x + 4y = -5$$
$$-6x \ \acute{o} \ 4y = -30$$
$$\overline{\ -5x = -35\ }$$
$$\mathbf{x = 7}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.

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Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

6.

$$x + 4y = -5 \quad ^{-3}$$

$$^{-2}\ 3x + 2y = 15$$

$$x + 4y = -5$$

$$-6x \ \acute{o} \ 4y = -30$$

$$-5x = -35$$

$$x = 7$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

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Add the equations.

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Multiply both sides of the top equation by -3.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

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$$x + 4y = -5 \quad ^{-3}$$

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

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$$x + 4y = -5 \quad ^{-3}$$
$$^{-2} \; 3x + 2y = 15$$

$$x + 4y = -5 \qquad \qquad -3x \; \acute{o}$$
$$-6x \; \acute{o} \; 4y = -30$$
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To solve for x, we must eliminate the y terms.

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Now, solve for x.

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

6.

$$x + 4y = -5 \quad ^{-3}$$
$$^{-2} \quad 3x + 2y = 15$$

$$x + 4y = -5 \qquad\qquad -3x\ 6\ 12y$$
$$-6x\ 6\ 4y = -30$$
$$\overline{}$$
$$-5x = -35$$

$$\mathbf{x\ =\ 7}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.
Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.

$$x + 4y = -5 \quad ^{-3}$$
$$^{-2}\ 3x + 2y = 15$$

$$x + 4y = -5 \qquad\qquad -3x \acute{o}\ 12y =$$
$$-6x \acute{o}\ 4y = -30$$
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Now, solve for x.

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.   x + 4y = -5 $^{-3}$

$^{-2}$ 3x + 2y = 15

   x + 4y =   -5   -3x ó 12y = 15
 -6x ó 4y = -30
 ─────────────
   -5x = -35

     x = 7

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.
Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.

$$x + 4y = -5 \quad ^{-3}$$

$$^{-2} \quad 3x + 2y = 15$$

$$x + 4y = -5 \qquad \rightarrow -3x \text{ ó } 12y = 15$$

$$-6x \text{ ó } 4y = -30$$

$$-5x = -35$$

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To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

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Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

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Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6. $x + 4y = -5$ $^{-3}$

   $^{-2}$ $3x + 2y = 15$

   $x + 4y = -5$ $-3x - 12y = 15$

   $-6x - 4y = -30$

   $-5x = -35$

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To solve for x, we must eliminate the y terms.
Bring down the top equation.

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Solve each of the following systems of equations using the
multiplication-addition method.

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$x + 4y = -5$

$-6x$ ó $4y = -30$

$-5x = -35$

$x = 7$

$-3x$ ó $12y = 15$

$3x + 2y = 15$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

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General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.

$$x + 4y = -5 \quad {}^{-3}$$

$$\ {}^{-2}\ 3x + 2y = 15$$

$$x + 4y = -5$$

$$-6x \ \text{ó} \ 4y = -30$$

$$\overline{\hspace{3cm}}$$

$$-5x = -35$$

$$\mathbf{x = 7}$$

$$-3x \ \text{ó} \ 12y = 15$$

$$3x + 2y = 15$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

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Notice that the x terms are opposite.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

6.
$$x + 4y = -5 \quad ^{-3}$$
$$^{-2} \; 3x + 2y = 15$$

$$x + 4y = -5$$
$$-6x \; ó \; 4y = -30$$
$$\overline{}$$
$$-5x = -35$$

$$\mathbf{x = 7}$$

$$-3x \; ó \; 12y = 15$$
$$3x + 2y = 15$$

To solve for x, we must eliminate the y terms.

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Multiply both sides of the bottom equation by -2.

Notice that the y terms are opposite.

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Now, solve for x.

To solve for y, we must eliminate the x terms.

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General Algebra 2   CWS #3   Unit 3 Solutions

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$$-5x = -35$$

$$\mathbf{x = 7}$$

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To solve for x, we must eliminate the y terms.

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To solve for y, we must eliminate the x terms.

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

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$$x + 4y = -5 \quad {}^{-3}$$
$$^{-2}\ 3x + 2y = 15$$

$$x + 4y = -5$$
$$-6x \text{ ó } 4y = -30$$
$$\overline{}$$
$$-5x = -35$$

$$x = 7$$

$$-3x \text{ ó } 12y = 15$$
$$3x + 2y = 15$$
$$\overline{}$$
$$-10y$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the y terms are opposite.

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Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

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Solve each of the following systems of equations using the **multiplication-addition method**.

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$$\overline{\qquad\qquad\qquad}$$
$$-5x = -35$$

$$\mathbf{x = 7}$$

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$$3x + 2y = 15$$
$$\overline{\qquad\qquad\qquad}$$
$$-10y =$$

To solve for x, we must eliminate the y terms.

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Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.

$$x + 4y = -5 \quad ^{-3}$$

$$^{-2} \ 3x + 2y = 15$$

$$x + 4y = -5$$

$$-6x \ ó \ 4y = -30$$

$$-5x = -35$$

$$x = 7$$

$$-3x \ ó \ 12y = 15$$

$$3x + 2y = 15$$

$$-10y = 30$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6. $x + 4y = -5$ ⁻³
 ⁻² $3x + 2y = 15$

$x + 4y = -5$
$-6x ó 4y = -30$
_____
$-5x = -35$

$x = 7$

$-3x ó 12y = 15$
$3x + 2y = 15$
_____
$-10y = 30$

To solve for x, we must eliminate the y terms.
Bring down the top equation.

Multiply both sides of the bottom equation by -2.
Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.

$$x + 4y = -5 \quad ^{-3}$$
$$^{-2} \; 3x + 2y = 15$$

$$x + 4y = -5$$
$$-6x \; ó \; 4y = -30$$
$$\overline{}$$
$$-5x = -35$$

$$\mathbf{x = 7}$$

$$-3x \; ó \; 12y = 15$$
$$3x + 2y = 15$$
$$\overline{}$$
$$-10y = 30$$

$$\mathbf{y}$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.

$$x + 4y = -5 \quad \text{-3}$$

$$^{-2}\ 3x + 2y = 15$$

$x + 4y = -5$	$-3x \; ó \; 12y = 15$
$-6x \; ó \; 4y = -30$	$3x + 2y = 15$
$-5x = -35$	$-10y = 30$
$x = 7$	$y =$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

6.

$$x + 4y = -5 \quad ^{-3}$$
$$^{-2} \quad 3x + 2y = 15$$

$$x + 4y = -5$$
$$-6x - 4y = -30$$
_____
$$-5x = -35$$

$$\mathbf{x = 7}$$

$$-3x - 12y = 15$$
$$3x + 2y = 15$$
_____
$$-10y = 30$$

$$\mathbf{y = -3}$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

6.

$$x + 4y = -5 \quad \text{-3}$$
$$\text{-2} \quad 3x + 2y = 15$$

x = 7
y = -3

$$x + 4y = -5$$
$$-6x \text{ ó } 4y = -30$$
_____
$$-5x = -35$$
$$x = 7$$

$$-3x \text{ ó } 12y = 15$$
$$3x + 2y = 15$$
_____
$$-10y = 30$$
$$y = -3$$

To solve for x, we must eliminate the y terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -2.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by -3.

Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $2x - y = 12$

         $3x - 4y = 23$

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

7. $2x - y = 12$

$3x - 4y = 23$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $2x - y = 12$

   $3x - 4y = 23$

To solve for x, we must eliminate the y terms.
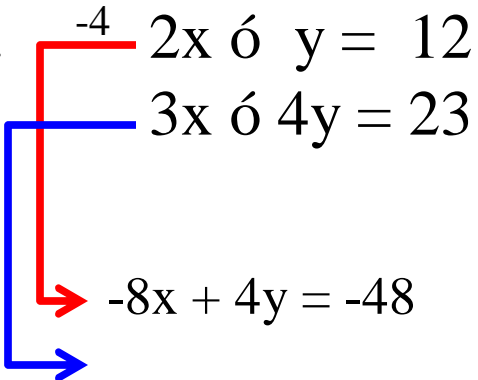Multiply both sides of the top equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.

7. $^{-4}$ $2x - y = 12$

  $3x - 4y = 23$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.

7. $\overset{-4}{}$ 2x ó y = 12

    3x ó 4y = 23

    -8x

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.

7. $^{-4}$ 2x ó y = 12

3x ó 4y = 23

-8x +
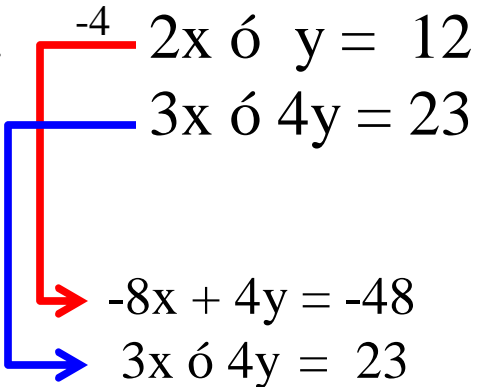
General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ 2x ó y = 12

     3x ó 4y = 23

     -8x + 4y

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.

7. $^{-4}$ 2x ó y = 12

3x ó 4y = 23

-8x + 4y =

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.

7. $^{-4}$ $2x - y = 12$
      $3x - 4y = 23$

   $-8x + 4y = -48$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ $2x$ ó $y =$ 12

    $3x$ ó $4y = 23$

    $-8x + 4y = -48$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ 2x ó y = 12

3x ó 4y = 23

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

-8x + 4y = -48

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

7. $^{-4}$ 2x ó y = 12

   3x ó 4y = 23

   -8x + 4y = -48
   3x ó 4y = 23

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.

7. $^{-4}$ $2x − y = 12$
      $3x − 4y = 23$

$-8x + 4y = -48$
$3x − 4y = 23$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $\overset{-4}{}$ $2x - y = 12$

$3x - 4y = 23$

$-8x + 4y = -48$

$3x - 4y = 23$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ $2x$ ó $y =$ 12
    $3x$ ó $4y = 23$

    -8x + 4y = -48
    3x ó 4y = 23

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ 2x ó y = 12
         3x ó 4y = 23

    -8x + 4y = -48
    3x ó 4y = 23
    _____
        -5x

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $\overset{-4}{}$ 2x ó y = 12

3x ó 4y = 23

-8x + 4y = -48

3x ó 4y = 23

-5x =

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ 2x ó y = 12
      3x ó 4y = 23

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

-8x + 4y = -48
3x ó 4y = 23
———————————
   -5x = -25

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ $2x ó y = 12$
       $3x ó 4y = 23$

$-8x + 4y = -48$
$3x ó 4y = 23$
_____
$-5x = -25$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ 2x ó y = 12
       3x ó 4y = 23

-8x + 4y = -48
 3x ó 4y = 23

     -5x = -25

     x

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ $2x - y = 12$
        $3x - 4y = 23$

-8x + 4y = -48
 3x - 4y = 23
──────────────
   -5x = -25

   x =

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ 2x ó y = 12
      3x ó 4y = 23

      -8x + 4y = -48
      3x ó 4y = 23
      ─────────────
      -5x = -25

        x = 5

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

7. $^{-4}$ 2x ó y = 12
        3x ó 4y = 23

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

  -8x + 4y = -48
  3x ó 4y = 23
  _____
  -5x = -25

  x = 5

To solve for y, we must eliminate the x terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ $2x$ ó $y =$ 12
      $3x$ ó $4y = 23$

   $-8x + 4y = -48$
   $3x$ ó $4y = 23$
   _____
   $-5x = -25$

   $x = 5$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}\ 2x\ \acute{o}\ y = 12\ ^3$

$3x\ \acute{o}\ 4y = 23$

$-8x + 4y = -48$

$\underline{3x\ \acute{o}\ 4y = 23}$

$-5x = -25$

$x = 5$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ 2x ó y = 12 ^{3}

    3x ó 4y = 23

    -8x + 4y = -48   6x

    3x ó 4y = 23
    _____

    -5x = -25

    x = 5

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

Multiply both sides of the top
equation by 3.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ 2x ó y = 12 ^{3}
       3x ó 4y = 23

     -8x + 4y = -48   6x ó
     3x ó 4y = 23
     ─────────────
     -5x = -25

        x = 5

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

Multiply both sides of the top
equation by 3.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7.

$$2x – y = 12$$
$$3x – 4y = 23$$

$$-8x + 4y = -48$$
$$\underline{3x – 4y = 23}$$
$$-5x = -25$$

$$x = 5$$

6x – 3y

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ 2x ó y = 12 ^{3}

      3x ó 4y = 23

      -8x + 4y = -48   6x ó 3y =

      3x ó 4y = 23

      -5x = -25

      x = 5

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $\overset{-4}{}$ 2x ó y = 12 $\overset{3}{}$

3x ó 4y = 23

-8x + 4y = -48   6x ó 3y = 36

$\underline{3x \; ó \; 4y \; = \; 23}$

-5x = -25

x = 5

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ $2x − y = 12$ ^{3}

$3x − 4y = 23$

$-8x + 4y = -48$ $6x − 3y = 36$

$3x − 4y = 23$

$-5x = -25$

$\mathbf{x = 5}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7.

$^{-4}$ 2x ó y = 12 ^{3}

3x ó 4y = 23 $^{-2}$

-8x + 4y = -48

3x ó 4y = 23

-5x = -25

x = 5

6x ó 3y = 36

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7.

$$^{-4}\ 2x - y = 12 \ ^{3}$$
$$3x - 4y = 23 \ ^{-2}$$

$$-8x + 4y = -48$$
$$3x - 4y = 23$$
$$\overline{}$$
$$-5x = -25$$

$$\mathbf{x = 5}$$

$$6x - 3y = 36$$
$$-6x$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $\quad^{-4}\quad 2x - y = 12 \quad^{3}$

$\qquad 3x - 4y = 23 \quad^{-2}$

$\qquad -8x + 4y = -48 \qquad\qquad 6x - 3y = 36$

$\qquad \underline{3x - 4y = 23} \qquad\qquad -6x +$

$\qquad\qquad -5x = -25$

$\qquad\qquad\quad \mathbf{x = 5}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ 2x ó y = 12 ^{3}
            3x ó 4y = 23 $^{-2}$

   -8x + 4y = -48   6x ó 3y = 36
   3x ó 4y = 23   -6x + 8y
   ─────────────
   -5x = -25

      x = 5

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7.

-4 $2x \text{ ó } y = 12$ 3

$3x \text{ ó } 4y = 23$ -2

$-8x + 4y = -48$

$3x \text{ ó } 4y = 23$

$-5x = -25$

$x = 5$

$6x \text{ ó } 3y = 36$

$-6x + 8y =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by -4.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7.

$$-4 \quad 2x - y = 12 \quad 3$$
$$3x - 4y = 23 \quad -2$$

$$-8x + 4y = -48$$
$$\underline{3x - 4y = 23}$$
$$-5x = -25$$

$$x = 5$$

$$6x - 3y = 36$$
$$-6x + 8y = -46$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ 2x ó y = 12 ^{3}

   3x ó 4y = 23 $^{-2}$

   -8x + 4y = -48   6x ó 3y = 36

   3x ó 4y = 23   -6x + 8y = -46

   —————————

   -5x = -25

   x = 5

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7. $^{-4}$ 2x ó y = 12 ^{3}

   3x ó 4y = 23 $^{-2}$

   -8x + 4y = -48   6x ó 3y = 36
   3x ó 4y = 23   -6x + 8y = -46

   ‾‾‾‾‾‾‾‾‾‾‾‾‾
   -5x = -25

   x = 5

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ 2x ó y = 12 ^{3}

3x ó 4y = 23 $^{-2}$

-8x + 4y = -48   6x ó 3y = 36

3x ó 4y = 23   -6x + 8y = -46

-5x = -25

x = 5

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ 2x ó y = 12 ^{3}
       3x ó 4y = 23 $^{-2}$

       -8x + 4y = -48   6x ó 3y = 36
       3x ó 4y = 23   -6x + 8y = -46
       _____   _____
          -5x = -25   5y

          x = 5

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate
the x terms.

Multiply both sides of the top
equation by 3.

Multiply both sides of the bottom
equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

7. $^{-4}$ 2x ó y = 12 ^{3}
     3x ó 4y = 23 $^{-2}$

-8x + 4y = -48
3x ó 4y = 23
——————————
   -5x = -25

     x = 5

6x ó 3y = 36
-6x + 8y = -46
——————————
   5y =

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7.

$$^{-4} \quad 2x - y = 12 \quad ^{3}$$
$$3x - 4y = 23 \quad ^{-2}$$

$$-8x + 4y = -48$$
$$\underline{3x - 4y = 23}$$
$$-5x = -25$$

$$\mathbf{x = 5}$$

$$6x - 3y = 36$$
$$\underline{-6x + 8y = -46}$$
$$5y = -10$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ $2x$ ó $y = 12$ ^{3}
        $3x$ ó $4y = 23$ $^{-2}$

$-8x + 4y = -48$ $6x$ ó $3y = 36$
$3x$ ó $4y = 23$ $-6x + 8y = -46$
———————   ———————
$-5x = -25$ $5y = -10$

$\mathbf{x = 5}$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

Multiply both sides of the top
equation by 3.

Multiply both sides of the bottom
equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7. $^{-4}$ $2x$ ó $y = 12$ ^{3}

$3x$ ó $4y = 23$ $^{-2}$

$-8x + 4y = -48$

$3x$ ó $4y = 23$

$-5x = -25$

$x = 5$

$6x$ ó $3y = 36$

$-6x + 8y = -46$

$5y = -10$

y

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7.

$$2x \text{ ó } y = 12$$
$$3x \text{ ó } 4y = 23$$

(top equation multiplied by -4, and by 3; bottom equation by -2)

$$-8x + 4y = -48$$
$$3x \text{ ó } 4y = 23$$
$$\overline{-5x = -25}$$
$$\mathbf{x = 5}$$

$$6x \text{ ó } 3y = 36$$
$$-6x + 8y = -46$$
$$\overline{5y = -10}$$
$$\mathbf{y =}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

7.

$$-4 \quad 2x \; \acute{o} \; y = 12 \quad 3$$

$$3x \; \acute{o} \; 4y = 23 \quad -2$$

$$-8x + 4y = -48$$
$$\underline{3x \; \acute{o} \; 4y = 23}$$
$$-5x = -25$$

$$\mathbf{x = 5}$$

$$6x \; \acute{o} \; 3y = 36$$
$$\underline{-6x + 8y = -46}$$
$$5y = -10$$

$$\mathbf{y = -2}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -4.
Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

7.

$$-4 \quad 2x \;ó\; y = 12 \quad 3$$

$$3x \;ó\; 4y = 23 \quad -2$$

x = 5
y = -2

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by -4.

Bring down the bottom equation.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

$$-8x + 4y = -48$$
$$3x \;ó\; 4y = \;23$$
$$\overline{}$$
$$-5x = -25$$

$$x = 5$$

$$6x \;ó\; 3y = \;36$$
$$-6x + 8y = -46$$
$$\overline{}$$
$$5y = -10$$

$$y = -2$$

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8. $4x - 5y = 17$

            $x - 2y = 8$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

8. $4x - 5y = 17$

$x - 2y = 8$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8. $4x - 5y = 17$

$x - 2y = 8$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.

8. 2 $4x - 5y = 17$

       $x - 2y = 8$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8. $\quad ^2 \quad$ 4x ó 5y = 17

$\quad\quad\quad\quad$ x ó 2y = 8

$\quad\quad\quad\quad$ 8x

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

$$2 \begin{cases} 4x - 5y = 17 \\ x - 2y = 8 \end{cases}$$

$$8x -$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

8.
$$^2 \quad 4x \text{ ó } 5y = 17$$
$$x \text{ ó } 2y = \ 8$$

$$8x \text{ ó } 10y$$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.

8. ^{2} 4x ó 5y = 17

   x ó 2y = 8

   8x ó 10y =

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.

8. ^{2} $4x - 5y = 17$

   $x - 2y =\ 8$

   $8x - 10y =\ 34$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.
$$^2 \!- 4x − 5y = 17$$
$$x − 2y = 8$$

$$8x − 10y = 34$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

8. ^{2} $4x − 5y = 17$

  $^{-5}$ $x − 2y = 8$

$8x − 10y = 34$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8. $\overset{2}{\underline{}}$ $4x − 5y = 17$

   $\overset{-5}{\underline{}}$ $x − 2y = 8$

   $8x − 10y = 34$

   $-5x$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.
Multiply both sides of the bottom
equation by -5.

8. $\overset{2}{}$ 4x ó 5y = 17

$\overset{-5}{}$ x ó 2y = 8

8x ó 10y = 34

-5x +

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

8. ^{2} $4x ó 5y = 17$

   $^{-5}$ $x ó 2y = 8$

   $8x ó 10y = 34$

   $-5x + 10y$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

8. ^{2} $4x − 5y = 17$
   $^{-5}$ $x − 2y = 8$

   $8x − 10y = 34$
   $-5x + 10y =$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

8. $\begin{array}{l} ^{2}\quad 4x - 5y = 17 \\ ^{-5}\quad x - 2y = \ 8 \end{array}$

$8x - 10y = \ 34$

$-5x + 10y = -40$

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8. ^{2} $4x − 5y = 17$

      $^{-5}$ $x − 2y = \ 8$

      $8x − 10y = \ 34$

      $-5x + 10y = -40$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

$$2 \quad 4x - 5y = 17$$
$$-5 \quad x - 2y = 8$$

$$8x - 10y = 34$$
$$-5x + 10y = -40$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8. ^{2} $4x - 5y = 17$

 $^{-5}$ $x - 2y = 8$

  $8x - 10y = 34$

  $-5x + 10y = -40$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

2

$4x – 5y = 17$

-5

$x – 2y =\ 8$

$8x – 10y =\ 34$

$-5x + 10y = -40$

$\overline{}$

$3x$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8.

$$\underset{-5}{\overset{2}{}} \quad 4x \; \text{ó} \; 5y = 17$$

$$x \; \text{ó} \; 2y = \; 8$$

$$8x \; \text{ó} \; 10y = \; 34$$

$$-5x + 10y = -40$$

$$\overline{3x = }$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.
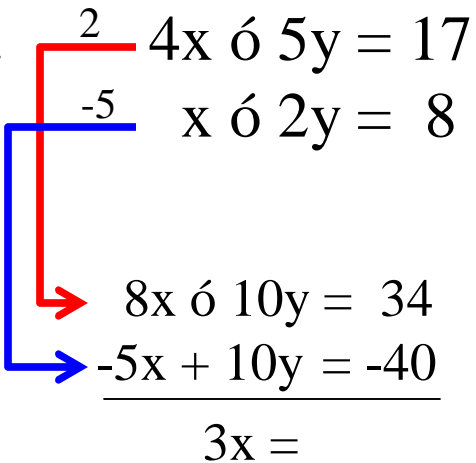
Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8.

$$\underset{-5}{\overset{2}{}} \; 4x \; ó \; 5y = 17$$

$$x \; ó \; 2y = \; 8$$

$$8x \; ó \; 10y = \; 34$$
$$-5x + 10y = -40$$
$$\overline{ 3x = -6}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.
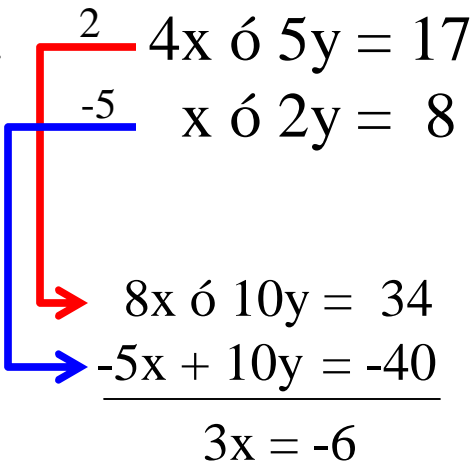
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

$$2 \quad 4x – 5y = 17$$
$$-5 \quad x – 2y = \ 8$$

$$8x – 10y = \ 34$$
$$-5x + 10y = -40$$
$$\overline{3x = -6}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8.

$$2 \quad 4x - 5y = 17$$
$$-5 \quad \ x - 2y = \ 8$$

$$8x - 10y = \ 34$$
$$-5x + 10y = -40$$
$$\overline{\hspace{3cm}}$$
$$3x = -6$$

$$\mathbf{x}$$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 2.
Multiply both sides of the bottom
equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8. ^{2} 4x ó 5y = 17

    $^{-5}$ x ó 2y = 8

        8x ó 10y = 34
     -5x + 10y = -40
          3x = -6

      x =

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.
$\quad$² $\quad$ 4x ó 5y = 17

$\quad$ -5 $\quad$ x ó 2y = 8

$\quad\quad$ 8x ó 10y = 34

$\quad\quad$ -5x + 10y = -40

$\quad\quad\quad$ 3x = -6

$\quad\quad\quad$ **x = -2**

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8. $\begin{array}{c} ^{2} \quad 4x\ \acute{o}\ 5y = 17 \\ ^{-5} \quad x\ \acute{o}\ 2y = \ 8 \end{array}$

$$8x\ \acute{o}\ 10y = \ 34$$
$$-5x + 10y = -40$$
$$3x = -6$$

$$x\ = -2$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8.

² $4x − 5y = 17$

⁻⁵ $x − 2y = 8$

$8x − 10y = 34$
$-5x + 10y = -40$
_____
$3x = -6$

$x = -2$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

$$2 \quad 4x - 5y = 17$$
$$-5 \quad x - 2y = 8$$

$$8x - 10y = 34$$
$$-5x + 10y = -40$$
$$\overline{ 3x = -6}$$

$$x = -2$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8. $\underset{-5}{\overset{2}{}}$ $4x - 5y = 17$

$x - 2y = 8$

$8x - 10y = 34$ $\qquad$ $4x - 5y = 17$

$-5x + 10y = -40$

$\overline{}$

$3x = -6$

$\mathbf{x = -2}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.
$$2 \quad 4x - 5y = 17$$
$$-5 \quad x - 2y = 8$$

$$8x - 10y = 34 \qquad\qquad 4x - 5y = 17$$
$$-5x + 10y = -40$$
$$\overline{\qquad\qquad\qquad\qquad}$$
$$3x = -6$$

$$\mathbf{x = -2}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.
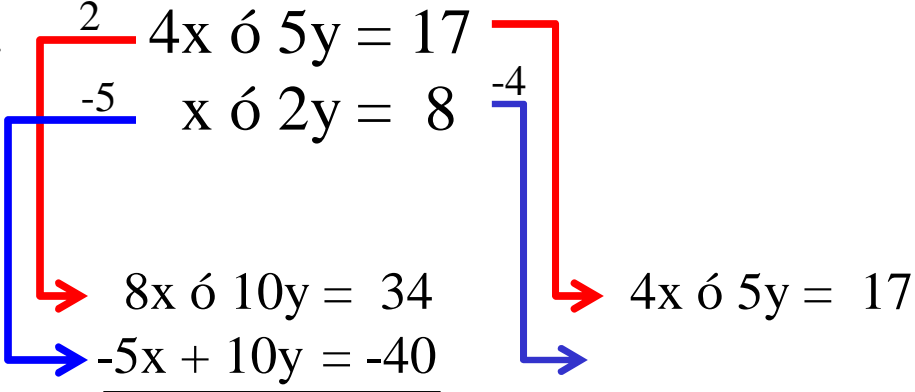
Multiply both sides of the bottom equation by -4.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8.

2 — $4x – 5y = 17$

-5 — $x – 2y = 8$ -4

$8x – 10y = 34$

$-5x + 10y = -40$

$3x = -6$

$\mathbf{x = -2}$

$4x – 5y = 17$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

$$^{2}\ 4x – 5y = 17$$
$$^{-5}\ \ x – 2y =\ 8 \quad ^{-4}$$

$$8x – 10y =\ 34 \qquad\qquad 4x – 5y =\ 17$$
$$\underline{-5x + 10y = -40} \qquad\qquad -4x$$
$$3x = -6$$

$$\mathbf{x\ = -2}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

2

$4x – 5y = 17$

-5 $x – 2y = 8$ -4

$8x – 10y = 34$

$-5x + 10y = -40$

$3x = -6$

x = -2

$4x – 5y = 17$

$-4x +$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8.

$$2 \quad 4x - 5y = 17$$

$$-5 \quad x - 2y = 8 \quad -4$$

$$8x - 10y = 34 \qquad 4x - 5y = 17$$

$$-5x + 10y = -40 \qquad -4x + 8y$$

$$3x = -6$$

$$\mathbf{x = -2}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8. 2 $4x – 5y = 17$

   -5 $x – 2y = 8$ -4

   $8x – 10y = 34$ $4x – 5y = 17$

   $-5x + 10y = -40$ $-4x + 8y =$

   $3x = -6$

   $\mathbf{x = -2}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8. $\quad ^2 \quad 4x - 5y = 17$

$\quad\quad ^{-5} \quad x - 2y = 8 \quad ^{-4}$

$\quad\quad 8x - 10y = 34 \quad\quad 4x - 5y = 17$

$\quad\quad \underline{-5x + 10y = -40} \quad\quad -4x + 8y = -32$

$\quad\quad\quad 3x = -6$

$\quad\quad\quad \mathbf{x = -2}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

$$^2\,4x - 5y = 17$$
$$^{-5}\,x - 2y = 8 \quad ^{-4}$$

$$8x - 10y = 34$$
$$-5x + 10y = -40$$
$$\overline{}$$
$$3x = -6$$

$$\mathbf{x = -2}$$

$$4x - 5y = 17$$
$$-4x + 8y = -32$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8.

$$2 \quad 4x \text{ ó } 5y = 17$$
$$-5 \quad x \text{ ó } 2y = 8 \quad -4$$

$$8x \text{ ó } 10y = 34 \qquad\qquad 4x \text{ ó } 5y = 17$$
$$\underline{-5x + 10y = -40} \qquad\qquad -4x + 8y = -32$$
$$3x = -6$$

$$\mathbf{x = -2}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8. $\begin{array}{l} 2 \\ -5 \end{array}$ $\begin{array}{l} 4x - 5y = 17 \\ x - 2y = 8 \end{array}$ -4

$8x - 10y = 34$
$-5x + 10y = -40$
$\overline{}$
$\qquad 3x = -6$

$\qquad$ **x = -2**

$4x - 5y = 17$
$-4x + 8y = -32$
$\overline{}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8.

$$2 \quad 4x – 5y = 17$$

$$-5 \quad x – 2y = 8 \quad -4$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

$$8x – 10y = 34$$
$$-5x + 10y = -40$$
$$\overline{\quad\quad 3x = -6 \quad\quad}$$

$$\mathbf{x = -2}$$

$$4x – 5y = 17$$
$$-4x + 8y = -32$$
$$\overline{\quad\quad 3y \quad\quad}$$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8. ^{2} $4x − 5y = 17$
     $^{-5}$ $x − 2y = 8$ $^{-4}$

$8x − 10y = 34$ $4x − 5y = 17$
$-5x + 10y = -40$ $-4x + 8y = -32$
─────────────   ─────────────
$3x = -6$ $3y =$

x = -2

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

$$\begin{array}{ll} ^{2}\; 4x \acute{o} 5y = 17 \\ _{-5}\; x \acute{o} 2y = \; 8 \end{array} \quad {}^{-4}$$

$$\begin{array}{l} 8x \acute{o} 10y = \; 34 \\ -5x + 10y = -40 \\ \hline \quad 3x = -6 \end{array}$$

$$\mathbf{x = -2}$$

$$\begin{array}{l} 4x \acute{o} 5y = \; 17 \\ -4x + 8y = -32 \\ \hline \quad 3y = -15 \end{array}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 2.
Multiply both sides of the bottom equation by -5.

8. ^{2} $4x - 5y = 17$ $^{-4}$
     $^{-5}$ $x - 2y = 8$

$8x - 10y = 34$ $4x - 5y = 17$
$-5x + 10y = -40$ $-4x + 8y = -32$
_____   _____
$3x = -6$ $3y = -15$

$x = -2$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

8. $\overset{2}{}$ 4x – 5y = 17

   $\overset{-5}{}$ x – 2y = 8 $\overset{-4}{}$

8x – 10y = 34	4x – 5y = 17
-5x + 10y = -40	-4x + 8y = -32
3x = -6	3y = -15
x = -2	y

To solve for x, we must eliminate
the y terms.

Multiply both sides of the top
equation by 2.

Multiply both sides of the bottom
equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate
the x terms.

Bring down the top equation.

Multiply both sides of the bottom
equation by -4.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

$$^{2}\ 4x\ ó\ 5y = 17$$
$$^{-5}\quad x\ ó\ 2y = \ 8 \quad ^{-4}$$

$8x\ ó\ 10y = \ 34$	$4x\ ó\ 5y = \ 17$
$-5x + 10y = -40$	$-4x + 8y = -32$
$3x = -6$	$3y = -15$
x = -2	**y =**

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8.

$$2 \quad 4x \acute{o} 5y = 17$$
$$-5 \quad x \acute{o} 2y = 8 \quad {}^{-4}$$

$$8x \acute{o} 10y = 34$$
$$\underline{-5x + 10y = -40}$$
$$3x = -6$$

$$\mathbf{x = -2}$$

$$4x \acute{o} 5y = 17$$
$$\underline{-4x + 8y = -32}$$
$$3y = -15$$

$$\mathbf{y = -5}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

8. $\overset{2}{\quad}$ $4x - 5y = 17$ $\overset{-4}{\quad}$

   $\overset{-5}{\quad}$ $x - 2y = 8$

$x = -2$
$y = -5$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by -5.

$8x - 10y = 34$ $4x - 5y = 17$

$\underline{-5x + 10y = -40}$ $\underline{-4x + 8y = -32}$

$\quad 3x = -6$ $3y = -15$

$\quad \mathbf{x = -2}$ $\mathbf{y = -5}$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.
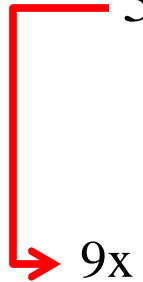
9. $3x + 7y = 6$

   $x - 3y = -2$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.

9. $3x + 7y = 6$

          $x – 3y = -2$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. $3x + 7y = 6$

   $x - 3y = -2$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. $\quad\overset{3}{\rule{1.5em}{0.4pt}}\; 3x + 7y =\ 6$

$\qquad\quad x\ \acute{o}\ 3y = \text{-}2$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. $\overset{3}{\underline{\hspace{0.5cm}}}$ $3x + 7y = 6$

   $x\acute{o} 3y = -2$

   $9x$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9. $\overset{3}{}$ $3x + 7y = 6$

     $x \acute{o} 3y = -2$

     $9x +$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. ^{3} 3x + 7y = 6

x ó 3y = -2

9x + 21y

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.

9. $\overset{3}{}3x + 7y = 6$

$x\ 6\ 3y = -2$

$9x + 21y =$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. $\overset{3}{}$ $3x + 7y = 6$

 $x \; \acute{o} \; 3y = -2$

$9x + 21y = 18$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9. $\quad \overset{3}{\underbrace{\qquad}}\; 3x + 7y = 6$

$\qquad\quad x\; 6\; 3y = -2$

$\qquad\quad \rightarrow 9x + 21y = 18$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by 7.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. $\underset{3}{}$ $3x + 7y = 6$

$\underset{7}{}$ $x \text{ ó } 3y = -2$

$9x + 21y = 18$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.
Multiply both sides of the bottom
equation by 7.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9.
$$3x + 7y = 6$$
$$x - 3y = -2$$

$$9x + 21y = 18$$
$$7x$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by 7.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. ^{3} 3x + 7y = 6

   ^{7} x ó 3y = -2

   9x + 21y = 18
   7x ó

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by 7.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.
Multiply both sides of the bottom
equation by 7.

9. $\quad$ 3 $\quad$ $3x + 7y = 6$

$\quad$ 7 $\quad$ $x - 3y = -2$

$9x + 21y = 18$

$7x - 21y$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9.

$$3 \quad 3x + 7y = 6$$

$$7 \quad x - 3y = -2$$

$$9x + 21y = 18$$

$$7x - 21y =$$
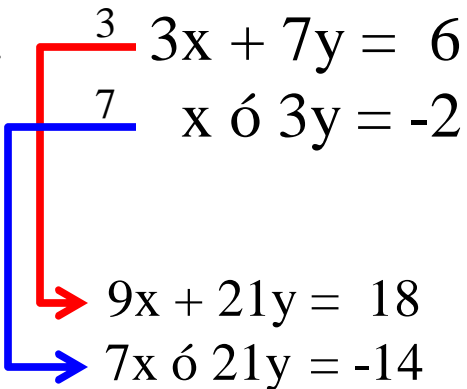
To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.
Multiply both sides of the bottom
equation by 7.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. $\underset{3}{} 3x + 7y = 6$

$\underset{7}{} x - 3y = -2$

$9x + 21y = 18$

$7x - 21y = -14$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by 7.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$\begin{array}{c} 3 \\ 7 \end{array}$$

$$3x + 7y = 6$$
$$x – 3y = -2$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by 7.

$$9x + 21y = 18$$
$$7x – 21y = -14$$

Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. $\underset{\text{3}}{}$ $3x + 7y = 6$

$\underset{\text{7}}{}$ $x - 3y = -2$

$9x + 21y = 18$

$7x - 21y = -14$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9. $\overset{3}{\quad}$ $3x + 7y = 6$

$\overset{7}{\quad}$ $x \acute{o} 3y = -2$

$9x + 21y = 18$

$7x \acute{o} 21y = -14$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3x + 7y = 6$$
$$x - 3y = -2$$

with multiplier 3 on top and 7 on bottom

$$9x + 21y = 18$$
$$7x - 21y = -14$$
$$\overline{}$$
$$16x$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9. $\underline{\quad^{3}\quad}$ $3x + 7y = 6$

$\quad\underline{\quad^{7}\quad}$ $x \; ó \; 3y = -2$

$9x + 21y = 18$

$\underline{7x \; ó \; 21y = -14}$

$16x =$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. $\quad \overset{3}{\underline{\quad}} \; 3x + 7y = 6$

$\quad\quad \overset{7}{\underline{\quad}} \; x \; \acute{o} \; 3y = -2$

$\quad\quad\quad\quad 9x + 21y = 18$

$\quad\quad\quad\quad \underline{7x \; \acute{o} \; 21y = -14}$

$\quad\quad\quad\quad\quad\quad 16x = 4$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3x + 7y = 6$$
$$x \div 3y = -2$$

$$9x + 21y = 18$$
$$7x \div 21y = -14$$
$$16x = 4$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by 7.
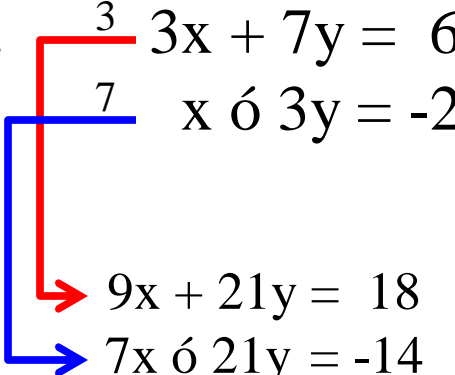
Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3 \quad 3x + 7y = 6$$
$$7 \quad x − 3y = -2$$

$$9x + 21y = 18$$
$$7x − 21y = -14$$
$$16x = 4$$

x

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9. $\underline{3}$ $3x + 7y = 6$

$\underline{7}$ $x − 3y = -2$

$9x + 21y = 18$

$\underline{7x − 21y = -14}$

$16x = 4$

$\mathbf{x =}$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by 3.
Multiply both sides of the bottom
equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9. $\underset{3}{}$ $3x + 7y = 6$

  $\underset{7}{}$ $x − 3y = -2$

  $9x + 21y = 18$

  $7x − 21y = -14$

  $16x = 4$

  $x = \dfrac{1}{4}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3 \quad 3x + 7y = 6$$

$$7 \quad x − 3y = -2$$

$$9x + 21y = 18$$

$$7x − 21y = -14$$

$$16x = 4$$

$$x = \frac{1}{4}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$3x + 7y = 6$

$x − 3y = -2$

(×3)

(×7)

$9x + 21y = 18$

$7x − 21y = -14$

$16x = 4$

$x = \dfrac{1}{4}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9.

$$3 \quad 3x + 7y = 6$$

$$7 \quad x - 3y = -2$$

$$9x + 21y = 18$$

$$7x - 21y = -14$$

$$16x = 4$$

$$x = \frac{1}{4}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$3\ 3x + 7y = 6$

$7\ \ x\ 6\ 3y = -2$

$9x + 21y = 18$

$7x\ 6\ 21y = -14$

$16x = 4$

$x = \dfrac{1}{4}$

$3x + 7y = 6$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9.

$$3x + 7y = 6$$
$$x − 3y = -2$$

$$9x + 21y = 18$$
$$7x − 21y = -14$$
$$\overline{16x = 4}$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3x + 7y = 6$$
$$x \text{ ó } 3y = -2$$

$$9x + 21y = 18$$
$$\underline{7x \text{ ó } 21y = -14}$$
$$16x = 4$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3x + 7y = 6$$
$$x \ominus 3y = -2$$

3 (top) 7 (bottom) -3

$$9x + 21y = 18$$
$$\underline{7x \ominus 21y = -14}$$
$$16x = 4$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$
$$-3x$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9. $3x + 7y = 6$

$x \div 3y = -2$

$9x + 21y = 18$

$7x \div 21y = -14$

$\overline{16x = 4}$

$x = \dfrac{1}{4}$

$3x + 7y = 6$

$-3x +$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9.

$$3x + 7y = 6$$
$$x \div 3y = -2$$

$$9x + 21y = 18$$
$$7x \div 21y = -14$$
$$16x = 4$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$
$$-3x + 9y$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3x + 7y = 6$$
$$x \; \acute{o} \; 3y = -2$$

$$9x + 21y = 18$$
$$\underline{7x \; \acute{o} \; 21y = -14}$$
$$16x = 4$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$
$$-3x + 9y =$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3x + 7y = 6$$
$$x \bullet 3y = -2$$

$$9x + 21y = 18$$
$$\underline{7x \bullet 21y = -14}$$
$$16x = 4$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$
$$-3x + 9y = 6$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3x + 7y = 6$$

$$x \div 3y = -2$$

$$9x + 21y = 18$$

$$7x \div 21y = -14$$

$$16x = 4$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$

$$-3x + 9y = 6$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9. $^{3}\ 3x + 7y = 6$

$^{7}\ x \div 3y = -2 ^{-3}$

$ 9x + 21y = 18$

$ \underline{7x \div 21y = -14}$

$ 16x = 4$

$ x = \dfrac{1}{4}$

$3x + 7y = 6$

$-3x + 9y = 6$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$3x + 7y = 6$

$x \ominus 3y = -2$

$9x + 21y = 18$
$7x \ominus 21y = -14$

$16x = 4$

$$x = \frac{1}{4}$$

$3x + 7y = 6$
$-3x + 9y = 6$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

3 $3x + 7y = 6$

7 $x \div 3y = -2$ -3

$9x + 21y = 18$
$7x \div 21y = -14$

$16x = 4$

$x = \dfrac{1}{4}$

$3x + 7y = 6$
$-3x + 9y = 6$

$16y$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9. $\quad \overset{3}{} 3x + 7y = 6$

$\quad \overset{7}{} x \; 6 \; 3y = -2 \quad \overset{-3}{}$

$9x + 21y = 18$

$\underline{7x \; 6 \; 21y = -14}$

$16x = 4$

$x = \dfrac{1}{4}$

$3x + 7y = 6$

$\underline{-3x + 9y = 6}$

$16y =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9.

$$\begin{array}{r} 3 \\ 7 \end{array} \quad \begin{array}{l} 3x + 7y = 6 \\ x \text{ ó } 3y = -2 \end{array} \quad \begin{array}{l} -3 \\ \end{array}$$

$$9x + 21y = 18 \qquad 3x + 7y = 6$$
$$7x \text{ ó } 21y = -14 \qquad -3x + 9y = 6$$
$$\overline{\quad 16x = 4 \quad} \qquad \overline{\quad 16y = 12 \quad}$$

$$x = \frac{1}{4}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$\begin{array}{c} ^3\ 3x + 7y = 6 \\ ^7\ x\ 6\ 3y = -2 \end{array} \qquad \begin{array}{c} \\ ^{-3} \end{array}$$

$$9x + 21y = 18 \qquad\qquad 3x + 7y = 6$$
$$7x\ 6\ 21y = -14 \qquad\quad -3x + 9y = 6$$
$$\overline{\qquad 16x = 4 \qquad\qquad\qquad 16y = 12 \qquad}$$

$$x = \frac{1}{4}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9.

$$^3\; 3x + 7y = 6$$

$$^7\; x \; \acute{o} \; 3y = -2 \;\; ^{-3}$$

$$9x + 21y = 18$$
$$7x \; \acute{o} \; 21y = -14$$
$$\overline{16x = 4}$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$
$$-3x + 9y = 6$$
$$\overline{16y = 12}$$

$$y$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

9.

$$3 \quad 3x + 7y = 6$$

$$7 \quad x \, 6 \, 3y = -2 \quad -3$$

$$9x + 21y = 18$$
$$7x \, 6 \, 21y = -14$$
$$\overline{16x = 4}$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$
$$-3x + 9y = 6$$
$$\overline{16y = 12}$$

$$y =$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9.

$$3x + 7y = 6$$
$$x - 3y = -2$$

$$9x + 21y = 18$$
$$7x - 21y = -14$$
$$\overline{}$$
$$16x = 4$$

$$x = \frac{1}{4}$$

$$3x + 7y = 6$$
$$-3x + 9y = 6$$
$$\overline{}$$
$$16y = 12$$

$$y = \frac{3}{4}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

9. $3x + 7y = 6$
     $x - 3y = -2$

$$x = \frac{1}{4}$$
$$y = \frac{3}{4}$$

$9x + 21y = 18$
$7x - 21y = -14$

$16x = 4$

$$x = \frac{1}{4}$$

$3x + 7y = 6$
$-3x + 9y = 6$

$16y = 12$

$$y = \frac{3}{4}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by 7.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Bring down the top equation.

Multiply both sides of the bottom equation by -3.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $4x + y = 1$

$3x + 2y = 0$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

10. $4x + y = 1$

$3x + 2y = 0$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $4x + \ y = 1$

   $3x + 2y = 0$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x + y = 1$

$3x + 2y = 0$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

10. $^{-2}$ $4x + y = 1$

$3x + 2y = 0$

$-8x$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

10. $\overset{-2}{}$ $4x +\ y = 1$

$\ 3x + 2y = 0$

 -8x ó

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

10.$\quad$ -2 $4x + y = 1$

$3x + 2y = 0$

-8x ó 2y

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -2.

10. $^{-2}$ 4x +   y = 1

3x + 2y = 0

-8x ó 2y =

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

10. $\overset{-2}{}$ 4x + y = 1

3x + 2y = 0

-8x ó 2y = -2

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x +\ \ y = 1$

$\quad 3x + 2y = 0$

$\quad -8x\ \acute{o}\ 2y =\ -2$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -2.

Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $\quad^{-2}$ 4x +   y = 1

$\qquad$ 3x + 2y = 0

$\qquad$ -8x ó 2y = -2

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -2.

Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by -2.

Bring down the bottom equation.

10. $^{-2}$ $4x + y = 1$

$3x + 2y = 0$

$-8x ó 2y = -2$

$3x + 2y = 0$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x + y = 1$

$3x + 2y = 0$

$-8x \ 6 \ 2y = -2$

$3x + 2y = 0$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x + \ y = 1$

$3x + 2y = 0$

$-8x ó 2y = \ -2$

$3x + 2y = \ 0$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

10. $^{-2}$ $4x + \ y = 1$

$3x + 2y = 0$

-8x ó 2y = -2

$3x + 2y = \ 0$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x +\ \ y = 1$

$3x + 2y = 0$

$-8x\ \acute{o}\ 2y =\ -2$

$\underline{3x + 2y =\ \ 0}$

$-5x$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x + y = 1$

$3x + 2y = 0$

$-8x \; \acute{o} \; 2y = -2$

$3x + 2y = 0$

$-5x =$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. -2 $4x + y = 1$

$3x + 2y = 0$

$-8x ó 2y = -2$

$3x + 2y = 0$
_____

$-5x = -2$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

10. $^{-2}$ 4x + y = 1
     3x + 2y = 0

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

-8x ó 2y = -2
3x + 2y = 0
_____
-5x = -2

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $\quad^{-2}$ $4x + \quad y = 1$

$\qquad 3x + 2y = 0$

$\qquad$ -8x ó 2y = -2

$\qquad$ 3x + 2y = 0

$\qquad \overline{}$

$\qquad$ -5x = -2

$\qquad$ **x**

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. -2 $\quad 4x + \quad y = 1$

$\quad\quad\quad 3x + 2y = 0$

$\quad\quad\quad$ -8x ó 2y = -2

$\quad\quad\quad \underline{\quad 3x + 2y = 0}$

$\quad\quad\quad\quad -5x = -2$

$\quad\quad\quad\quad \mathbf{x =}$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x + y = 1$

$3x + 2y = 0$

$-8x \; ó \; 2y = \; -2$

$\underline{3x + 2y = \; 0}$

$-5x = -2$

$x = \dfrac{2}{5}$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x + y = 1$

     $3x + 2y = 0$

     $-8x \acute{o} 2y = -2$

     $\underline{3x + 2y = 0}$

     $-5x = -2$

     $x = \dfrac{2}{5}$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

10. $\overset{-2}{} 4x + y = 1$

$3x + 2y = 0$

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

$-8x - 2y = -2$

$\underline{3x + 2y = 0}$

$-5x = -2$

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.

$x = \frac{2}{5}$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

10. $^{-2}$ $4x +$ $y = 1$ ^{3}

$3x + 2y = 0$

-8x ó 2y = -2

$3x + 2y =$ 0
_____

-5x = -2

$x = \dfrac{2}{5}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

10. $^{-2}$ $4x + y = 1$ ^{3}
     $3x + 2y = 0$

     $-8x$ ó $2y = -2$ $12x$
     $\underline{3x + 2y = 0}$

     $-5x = -2$

     $x = \dfrac{2}{5}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x + y = 1$ ^{3}
$3x + 2y = 0$

$-8x + 2y = -2$ $12x +$
$\underline{3x + 2y = 0}$
$-5x = -2$

$x = \dfrac{2}{5}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}\ 4x +\ y = 1$ $\quad^{3}$

$\qquad 3x + 2y = 0$

$\quad$ -8x ó 2y = -2 $\qquad$ 12x + 3y

$\quad\ \underline{\ \ 3x + 2y =\ \ 0\ }$

$\qquad$ -5x = -2

$\qquad$ x = $\dfrac{2}{5}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ $4x + y = 1$ ^{3}

$3x + 2y = 0$

$-8x ó 2y = -2$ $12x + 3y =$

$3x + 2y = 0$

$-5x = -2$

$x = \dfrac{2}{5}$

To solve for x, we must eliminate
the y terms.
Multiply both sides of the top
equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate
the x terms.
Multiply both sides of the top
equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ 4x +   y = 1 ^{3}

3x + 2y = 0

-8x ó 2y = -2   12x + 3y = 3

3x + 2y = 0
_____

-5x = -2

$x = \dfrac{2}{5}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

10. $\overset{-2}{4x} + y = 1 \quad \overset{3}{}$

$3x + 2y = 0$

$-8x \text{ ó } 2y = -2 \qquad 12x + 3y = 3$

$\underline{3x + 2y = 0}$

$-5x = -2$

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To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by -4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10.

$$-2 \quad 4x + y = 1 \qquad 3$$
$$3x + 2y = 0 \qquad -4$$

$$-8x \text{ ó } 2y = -2 \qquad 12x + 3y = 3$$
$$\underline{3x + 2y = 0}$$
$$-5x = -2$$

$$x = \frac{2}{5}$$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

Bring down the bottom equation.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

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Multiply both sides of the top equation by 3.
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General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

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$\quad$ $3x + 2y = 0$ $\quad$ $^{-4}$

$-8x \acute{o} 2y = -2$ $\qquad$ $12x + 3y = 3$

$\underline{3x + 2y = 0}$ $\qquad$ $-12x$

$-5x = -2$

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To solve for x, we must eliminate the y terms.
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General Algebra 2   CWS #3   Unit 3 Solutions

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

10. $\overset{-2}{\quad} 4x + \quad y = 1 \quad \overset{3}{\quad}$

$\quad\quad 3x + 2y = 0 \quad \overset{-4}{\quad}$

$\quad\quad -8x + 2y = -2 \quad\quad 12x + 3y = 3$

$\quad\quad \underline{3x + 2y = \quad 0} \quad\quad -12x + 8y$

$\quad\quad\quad -5x = -2$

$\quad\quad\quad x = \dfrac{2}{5}$

To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

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General Algebra 2   CWS #3   Unit 3 Solutions

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$$-2 \quad 4x + \quad y = 1 \quad 3$$
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$3x + 2y = 0$

$\overline{\phantom{-8x \text{ ó } 2y = -2}}$

$-5x = -2$

$x = \dfrac{2}{5}$

$12x + 3y = 3$

$-12x \text{ ó } 8y = 0$

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$3x + 2y = 0$

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$x = \dfrac{2}{5}$

$12x + 3y = 3$

$-12x$ ó $8y = 0$

$-5y$

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

10. $^{-2}$ 4x + y = 1 ^{3}

   3x + 2y = 0 $^{-4}$

   -8x ó 2y = -2   12x + 3y = 3

   3x + 2y = 0   -12x ó 8y = 0

   ─────────   ─────────

   -5x = -2   -5y =

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General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

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$-5x = -2$

$x = \dfrac{2}{5}$

$12x + 3y = 3$

$\underline{-12x \text{ ó } 8y = 0}$

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General Algebra 2   CWS #3   Unit 3   Solutions

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To solve for x, we must eliminate the y terms.
Multiply both sides of the top equation by -2.

10. $^{-2}$ 4x + y = 1 ^{3}

3x + 2y = 0 $^{-4}$

Bring down the bottom equation.

-8x ó 2y = -2   12x + 3y = 3

3x + 2y = 0   -12x ó 8y = 0
_____   _____
-5x = -2   -5y = 3

$x = \dfrac{2}{5}$ $y =$

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by -4.

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Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

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$3x + 2y = 0 \quad \overset{-4}{}$

$-8x ó 2y = -2 \qquad\qquad 12x + 3y = 3$

$\underline{3x + 2y = 0} \qquad\qquad \underline{-12x ó 8y = 0}$

$-5x = -2 \qquad\qquad\qquad -5y = 3$

$x = \dfrac{2}{5} \qquad\qquad\qquad\qquad y = \dfrac{-3}{5}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by -2.

Bring down the bottom equation.

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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

10. $^{-2}$ $4x +\ y = 1$ ^{3}

$3x + 2y = 0$ $^{-4}$

$x = \dfrac{2}{5}$

$y = \dfrac{-3}{5}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by -2.

Bring down the bottom equation.

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$3x + 2y =\ 0$

$-5x = -2$

$x = \dfrac{2}{5}$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

$12x + 3y = 3$

$-12x\ \acute{o}\ 8y = 0$

$-5y = 3$

$y = \dfrac{-3}{5}$

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -4.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11. $x - 4y = 3$
        $3x + y = 2$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

11. $x − 4y = 3$

$3x + y = 2$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.
Bring down the top equation.

11. $x - 4y = 3$

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General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11. $x - 4y = 3$

  $3x + y = 2$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
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To solve for x, we must eliminate
the y terms.
Bring down the top equation.

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   $3x + y = 2$

   $x ó 4y = 3$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11. $x - 4y = 3$
    $3x + y = 2$

    $x - 4y = 3$

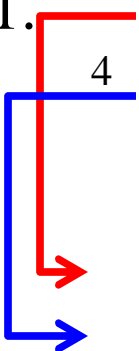To solve for x, we must eliminate the y terms.
Bring down the top equation.
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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11. $x - 4y = 3$

   4   $3x + y = 2$

   $x - 4y = 3$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11. $x – 4y = 3$

    4   $3x + y = 2$

        $x – 4y = 3$

    12x

To solve for x, we must eliminate the y terms.
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General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11. $x \text{ ó } 4y = 3$

    4 $3x + y = 2$

    $x \text{ ó } 4y = 3$

    $12x +$

To solve for x, we must eliminate the y terms.
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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11. $x - 4y = 3$

$\overset{4}{3x} + y = 2$

$x - 4y = 3$

$12x + 4y$

To solve for x, we must eliminate the y terms.
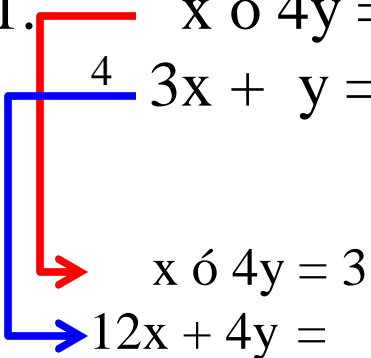Bring down the top equation.
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General Algebra 2   CWS #3   Unit 3 Solutions

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11. $x - 4y = 3$

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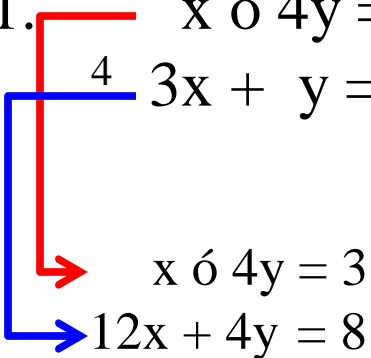Bring down the top equation.
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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11.

$$x – 4y = 3$$

$$4 \quad 3x + y = 2$$

$$x – 4y = 3$$

$$12x + 4y = 8$$

To solve for x, we must eliminate the y terms.
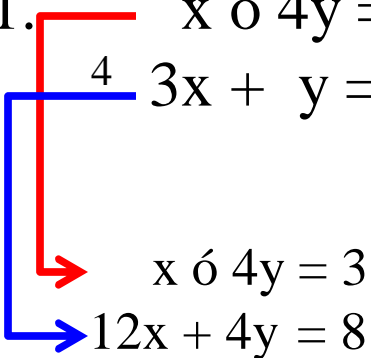
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General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11. $x − 4y = 3$

   ⁴ $3x + y = 2$

     $x − 4y = 3$

   $12x + 4y = 8$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

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Notice that the y terms are opposite.
Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
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Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

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$$x \; \acute{o} \; 4y = 3$$
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$$\overline{}$$
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To solve for x, we must eliminate the y terms.
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General Algebra 2   CWS #3   Unit 3 Solutions

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multiplication-addition method.

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$$x − 4y = 3$$
$$^4 \ 3x + y = 2$$

$$x − 4y = 3$$
$$12x + 4y = 8$$
$$\overline{}$$
$$13x = 11$$

$$\mathbf{x =}$$

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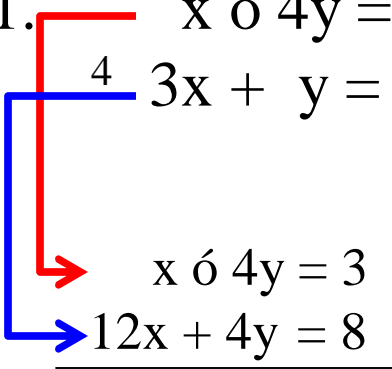
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$$12x + 4y = 8$$
$$\overline{\hspace{3cm}}$$
$$13x = 11$$

$$x = \frac{11}{13}$$

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Multiply both sides of the bottom equation by 4.

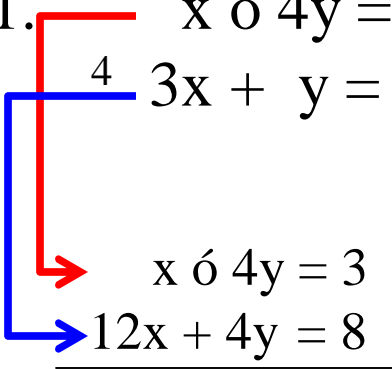Notice that the y terms are opposite.
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$$x - 4y = 3$$

⁴$$3x + y = 2$$

$$x - 4y = 3$$
$$12x + 4y = 8$$

$$13x = 11$$

$$x = \frac{11}{13}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11.

$$x – 4y = 3$$

$$^4\ 3x + y = 2$$

$$x – 4y = 3$$

$$12x + 4y = 8$$

$$13x = 11$$

$$x = \frac{11}{13}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11.
$$x - 4y = 3 \qquad \text{-3}$$
$$4\ \ 3x + y = 2$$

$$x - 4y = 3$$
$$12x + 4y = 8$$
$$\overline{\qquad\qquad}$$
$$13x = 11$$

$$x = \frac{11}{13}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11. $x − 4y = 3$ $^{-3}$

      ^{4} $3x + y = 2$

      $x − 4y = 3$ $-3x$

      $12x + 4y = 8$

      $13x = 11$

      $x = \dfrac{11}{13}$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11.

$$x – 4y = 3 \qquad \underset{-3}{}$$

$$\underset{4}{}\ 3x +\ y = 2$$

$$x – 4y = 3 \qquad\qquad -3x +$$

$$12x + 4y = 8$$

$$\overline{}$$

$$13x = 11$$

$$x = \frac{11}{13}$$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Multiply both sides of the bottom
equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.
Multiply both sides of the top
equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11.

$$x - 4y = 3 \quad {}^{-3}$$
$${}^{4}\ 3x + y = 2$$

$$x - 4y = 3 \qquad -3x + 12y$$
$$12x + 4y = 8$$
$$\overline{}$$
$$13x = 11$$

$$x = \frac{11}{13}$$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Multiply both sides of the bottom
equation by 4.

Notice that the y terms are opposite.
Add the equations.
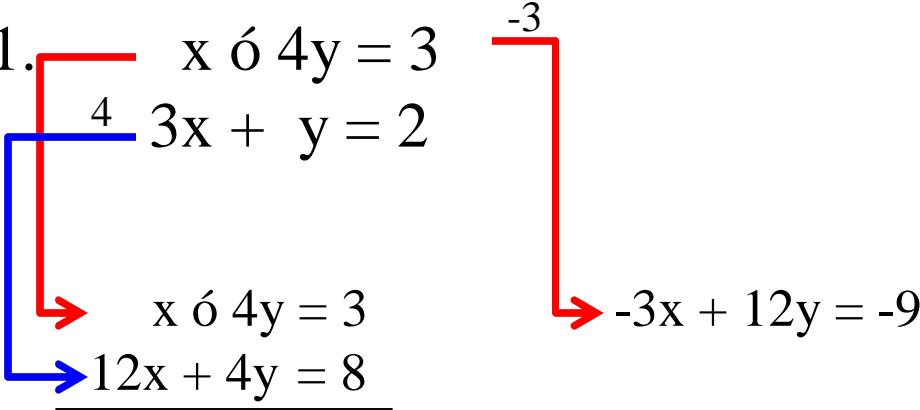Now, solve for x.

To solve for y, we must eliminate
the x terms.
Multiply both sides of the top
equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11.

$$x \; ó \; 4y = 3 \quad \xrightarrow{-3}$$

$$3x + \; y = 2 \quad \xleftarrow{4}$$

$$x \; ó \; 4y = 3 \qquad -3x + 12y =$$

$$12x + 4y = 8$$

$$\overline{}$$

$$13x = 11$$

$$x = \frac{11}{13}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
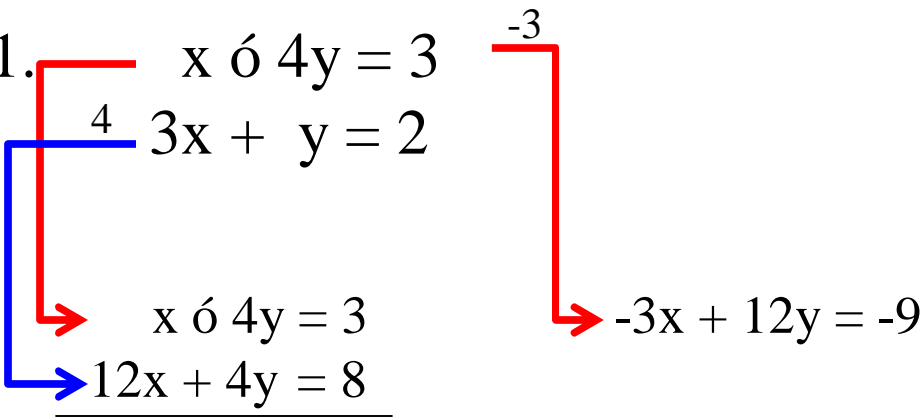Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11. $x ó 4y = 3$ $^{-3}$

   ^{4} $3x + y = 2$

   $x ó 4y = 3$ $-3x + 12y = -9$

   $12x + 4y = 8$
   _____
   $13x = 11$

   $x = \dfrac{11}{13}$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
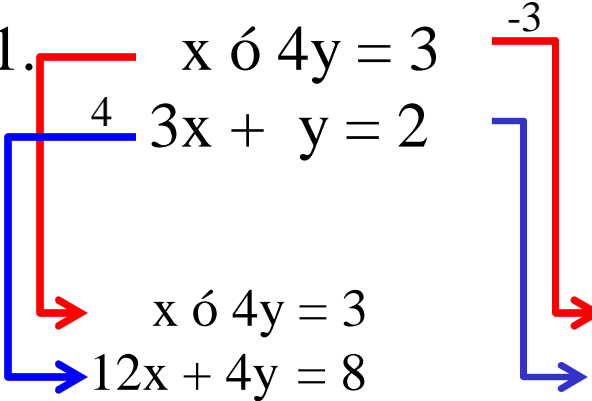Multiply both sides of the top equation by -3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11. $x - 4y = 3$ $^{-3}$

   ^{4} $3x + y = 2$

   $x - 4y = 3$ $-3x + 12y = -9$
   $12x + 4y = 8$
   _____
   $13x = 11$

   $x = \dfrac{11}{13}$

To solve for x, we must eliminate
the y terms.
Bring down the top equation.
Multiply both sides of the bottom
equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate
the x terms.
Multiply both sides of the top
equation by -3.
Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11.
$$x – 4y = 3$$
$$3x + y = 2$$

-3

4

$$x – 4y = 3$$
$$12x + 4y = 8$$
$$\overline{\qquad\qquad}$$
$$13x = 11$$

$$x = \frac{11}{13}$$

$$-3x + 12y = -9$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11.

$$x - 4y = 3 \quad ^{-3}$$
$$^4\, 3x + y = 2$$

$$x - 4y = 3$$
$$12x + 4y = 8$$
$$\overline{\quad\quad\quad\quad}$$
$$13x = 11$$

$$x = \frac{11}{13}$$

$$-3x + 12y = -9$$
$$3x + y = 2$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11. $x − 4y = 3$ ⁻³

   ⁴ $3x + y = 2$

   $x − 4y = 3$

   $12x + 4y = 8$
   _____
   $13x = 11$

   $x = \dfrac{11}{13}$

   $-3x + 12y = -9$

   $3x + y = 2$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11.

$$x - 4y = 3 \qquad {}^{-3}$$
$$3x + y = 2$$

$$x - 4y = 3 \qquad -3x + 12y = -9$$
$$12x + 4y = 8 \qquad 3x + y = 2$$
$$\overline{}$$
$$13x = 11$$

$$x = \frac{11}{13}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11.
$$x – 4y = 3 \qquad \text{-3}$$
$$3x + y = 2$$

$$x – 4y = 3$$
$$12x + 4y = 8$$
$$\overline{13x = 11}$$

$$x = \frac{11}{13}$$

$$-3x + 12y = -9$$
$$3x + y = 2$$
$$\overline{}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11. $x ó 4y = 3$ $^{-3}$

^{4} $3x + y = 2$

$x ó 4y = 3$

$12x + 4y = 8$

$13x = 11$

$x = \dfrac{11}{13}$

$-3x + 12y = -9$

$3x + y = 2$

$13y$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11.

$$x – 4y = 3 \quad \text{-3}$$
$$3x + y = 2 \quad \text{4}$$

$$x – 4y = 3$$
$$12x + 4y = 8$$
$$\overline{13x = 11}$$

$$x = \frac{11}{13}$$

$$-3x + 12y = -9$$
$$3x + y = 2$$
$$\overline{13y =}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11.
$$x − 4y = 3 \quad ^{-3}$$
$$^{4}\;3x + y = 2$$

$$x − 4y = 3$$
$$12x + 4y = 8$$
$$\overline{}$$
$$13x = 11$$

$$x = \frac{11}{13}$$

$$-3x + 12y = -9$$
$$3x + y = 2$$
$$\overline{}$$
$$13y = -7$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11.

$$x - 4y = 3 \quad \text{-3}$$
$$3x + y = 2$$

$$x - 4y = 3$$
$$\underline{12x + 4y = 8}$$
$$13x = 11$$

$$x = \frac{11}{13}$$

$$-3x + 12y = -9$$
$$\underline{3x + y = 2}$$
$$13y = -7$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11.
$$x - 4y = 3$$ -3
$$3x + y = 2$$ 4

$$x - 4y = 3$$
$$12x + 4y = 8$$
$$\overline{}$$
$$13x = 11$$

$$x = \frac{11}{13}$$

$$-3x + 12y = -9$$
$$3x + y = 2$$
$$\overline{}$$
$$13y = -7$$

y

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

11.

$$x \div 4y = 3 \quad {}^{-3}$$
$$3x + y = 2 \quad {}^{4}$$

$$x \div 4y = 3$$
$$12x + 4y = 8$$
$$\overline{13x = 11}$$

$$x = \frac{11}{13}$$

$$-3x + 12y = -9$$
$$3x + y = 2$$
$$\overline{13y = -7}$$

$$y =$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11. $x − 4y = 3$ −3
    $3x + y = 2$ 4

$x − 4y = 3$
$12x + 4y = 8$
$\overline{13x = 11}$

$x = \dfrac{11}{13}$

$-3x + 12y = -9$
$3x + y = 2$
$\overline{13y = -7}$

$y = \dfrac{-7}{13}$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

11.

$$x – 4y = 3$$ $$-3$$

$$3x + y = 2$$ $$4$$

$$\boxed{x = \frac{11}{13}}$$

$$\boxed{y = \frac{-7}{13}}$$

$$x – 4y = 3$$
$$12x + 4y = 8$$
$$\overline{13x = 11}$$

$$x = \frac{11}{13}$$

$$-3x + 12y = -9$$
$$3x + y = 2$$
$$\overline{13y = -7}$$

$$y = \frac{-7}{13}$$

To solve for x, we must eliminate the y terms.
Bring down the top equation.
Multiply both sides of the bottom equation by 4.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by -3.
Bring down the bottom equation.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12. $2x + 3y = 4$

         $3x - 2y = 5$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.

12. $2x + 3y = 4$

$3x \acute{o} 2y = 5$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12. $2x + 3y = 4$

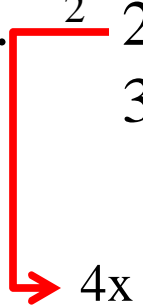$3x \text{ ó } 2y = 5$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12.

$$2x + 3y = 4$$
$$3x - 2y = 5$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

12. ^{2} $2x + 3y = 4$

$3x ó 2y = 5$

$4x$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12. $\quad^2\!\!\!\!\!\!\diagdown 2x + 3y = 4$

$\qquad 3x \acute{o} 2y = 5$

$\qquad\quad 4x +$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

12. $2x + 3y = 4$

$3x \; ó \; 2y = 5$

$4x + 6y$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

12. $\quad^2 \quad 2x + 3y = 4$

$\qquad 3x \; \acute{o} \; 2y = 5$

$\qquad 4x + 6y =$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

12. ^{2} $2x + 3y = 4$

        $3x \div 2y = 5$

        $4x + 6y = \ 8$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12. $\overset{2}{}$ $2x + 3y = 4$

   $3x \; ó \; 2y = 5$

   $4x + 6y = \; 8$

To solve for x, we must eliminate the y terms.
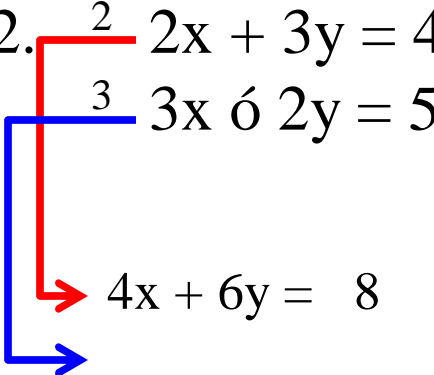
Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.　2　$2x + 3y = 4$

　　　3　$3x \text{ ó } 2y = 5$

　　　$4x + 6y = \ 8$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.

12. ^{2} $2x + 3y = 4$

   ^{3} $3x − 2y = 5$

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

$4x + 6y = 8$

$9x$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

12.

$$2x + 3y = 4$$

$$3x \acute{o} 2y = 5$$

$$4x + 6y = \ 8$$

$$9x \acute{o}$$

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

12.   2 $2x + 3y = 4$

     3   $3x - 2y = 5$

     $4x + 6y = \ 8$

     $9x - 6y$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12. $\quad^{2}$ $2x + 3y = 4$

$\quad\quad\;^{3}$ $3x \: ó \: 2y = 5$

$4x + 6y = \;\; 8$

$9x \: ó \: 6y =$

To solve for x, we must eliminate
the y terms.

Multiply both sides of the top
equation by 2.

Multiply both sides of the bottom
equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12. $\overset{2}{}$ $2x + 3y = 4$

$\overset{3}{}$ $3x - 2y = 5$

$4x + 6y = 8$

$9x - 6y = 15$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12. $\quad^2\!\!-\!\!2x + 3y = 4$

$\quad\quad^3\!\!-\!\!3x - 2y = 5$

$\quad\quad 4x + 6y = 8$

$\quad\quad 9x - 6y = 15$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12. $\quad^2\quad 2x + 3y = 4$

$\quad\quad^3\quad 3x − 2y = 5$

$\quad\quad 4x + 6y = 8$

$\quad\quad 9x − 6y = 15$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.
$$2x + 3y = 4$$
$$3x - 2y = 5$$

$$4x + 6y = 8$$
$$9x - 6y = 15$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12.

$$2x + 3y = 4$$
$$3x - 2y = 5$$

$$4x + 6y = 8$$
$$9x - 6y = 15$$
$$\overline{13x}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

12.

$2x + 3y = 4$

$3x – 2y = 5$

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

$4x + 6y = 8$

$\underline{9x – 6y = 15}$

$13x =$

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12.

$$2x + 3y = 4$$
$$3x - 2y = 5$$

$$4x + 6y = 8$$
$$9x - 6y = 15$$
$$\overline{ \quad}$$
$$13x = 23$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.

$$2x + 3y = 4$$
$$3x - 2y = 5$$

$$4x + 6y = 8$$
$$9x - 6y = 15$$
$$\overline{13x = 23}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12.

$\quad^2\ 2x + 3y = 4$

$\quad^3\ 3x - 2y = 5$

$\quad\quad 4x + 6y = \ \ 8$

$\quad\quad 9x - 6y = 15$

$\quad\quad\quad 13x = 23$

x

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

12. $\quad^2\!\!\!\diagdown 2x + 3y = 4$

$\quad\quad^3\!\!\!\diagdown 3x - 2y = 5$

$\quad\quad\quad 4x + 6y = 8$

$\quad\quad\quad 9x - 6y = 15$

$\overline{\quad\quad\quad\quad 13x = 23}$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

$\quad\quad\quad\quad \mathbf{x =}$

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.

$$2x + 3y = 4$$
$$3x - 2y = 5$$

$$4x + 6y = \ 8$$
$$9x - 6y = 15$$

$$13x = 23$$

$$x = \frac{23}{13}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12. $\quad^2\ 2x + 3y = 4$

$\quad\quad^3\ 3x - 2y = 5$

$\quad\quad 4x + 6y = \ \ 8$

$\quad\quad \underline{9x - 6y = 15}$

$\quad\quad\quad 13x = 23$

$\quad\quad x = \dfrac{23}{13}$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

12. $\overset{2}{}$ $2x + 3y = 4$
    $\overset{3}{}$ $3x \div 2y = 5$

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

$4x + 6y = 8$
$9x \div 6y = 15$
$\overline{}$
$13x = 23$

Notice that the y terms are opposite.
Add the equations.

Now, solve for x.

$$x = \frac{23}{13}$$

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.

$$2x + 3y = 4$$

$$3x − 2y = 5$$

$$4x + 6y = \ \ 8$$
$$9x − 6y = 15$$

$$13x = 23$$

$$x = \frac{23}{13}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12.

$$2x + 3y = 4$$
$$3x - 2y = 5$$

$$4x + 6y = \ \ 8$$
$$9x - 6y = 15$$
$$\overline{}$$
$$13x = 23$$

$$x = \frac{23}{13}$$

6x

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2 CWS #3 Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12. $2x + 3y = 4$

$3x \div 2y = 5$

$4x + 6y = 8$

$9x \div 6y = 15$

$13x = 23$

$x = \dfrac{23}{13}$

$6x +$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

To solve for x, we must eliminate the y terms.

12. $2x + 3y = 4$

$3x - 2y = 5$

$4x + 6y = 8$

$9x - 6y = 15$

$13x = 23$

$x = \dfrac{23}{13}$

$6x + 9y$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.
$$2x + 3y = 4$$
$$3x \text{ ó } 2y = 5$$

$$4x + 6y = 8$$
$$9x \text{ ó } 6y = 15$$
$$\overline{}$$
$$13x = 23$$

$$x = \frac{23}{13}$$

$$6x + 9y =$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12.

$$2x + 3y = 4$$

$$3x ó 2y = 5$$

$$4x + 6y = \ 8$$

$$9x ó 6y = 15$$

$$13x = 23$$

$$x = \frac{23}{13}$$

$$6x + 9y = \ 12$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.
$$^2 \quad 2x + 3y = 4 \qquad ^3$$
$$^3 \quad 3x - 2y = 5$$

$$4x + 6y = \ \ 8 \qquad\qquad 6x + 9y = \ 12$$
$$\underline{9x - 6y = 15}$$
$$13x = 23$$

$$x = \frac{23}{13}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12. $2x + 3y = 4$
    $3x - 2y = 5$

$4x + 6y = 8$
$9x - 6y = 15$

$13x = 23$

$x = \dfrac{23}{13}$

$6x + 9y = 12$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.
$$2x + 3y = 4$$
$$3x - 2y = 5$$

$$4x + 6y = 8$$
$$9x - 6y = 15$$
$$\overline{\hspace{3cm}}$$
$$13x = 23$$

$$x = \frac{23}{13}$$

$$6x + 9y = 12$$
$$-6x$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.

$$2x + 3y = 4$$
$$3x \text{ ó } 2y = 5$$

$$4x + 6y = 8$$
$$9x \text{ ó } 6y = 15$$
$$\overline{13x = 23}$$

$$x = \frac{23}{13}$$

$$6x + 9y = 12$$
$$\text{-}6x +$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

12. $\overset{2}{\underline{\quad}} \ 2x + 3y = 4 \qquad \overset{3}{\underline{\quad}}$

$\overset{3}{\underline{\quad}} \ 3x \ \acute{o} \ 2y = 5 \qquad \overset{-2}{\underline{\quad}}$

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

$4x + 6y = \ 8$

$9x \ \acute{o} \ 6y = 15$

$\overline{\phantom{9x \ \acute{o} \ 6y = 15}}$

$13x = 23$

$6x + 9y = \ 12$

$-6x + 4y$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

$x = \dfrac{23}{13}$

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.

$2x + 3y = 4$

$3x – 2y = 5$

$4x + 6y = 8$

$9x – 6y = 15$

$13x = 23$

$x = \dfrac{23}{13}$

$6x + 9y = 12$

$-6x + 4y =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12.

$$2x + 3y = 4$$
$$3x – 2y = 5$$

$$4x + 6y = \ 8$$
$$9x – 6y = 15$$

$$13x = 23$$

$$x = \frac{23}{13}$$

$$6x + 9y = \ 12$$
$$-6x + 4y = -10$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12. $2x + 3y = 4$
    $3x − 2y = 5$

$4x + 6y = 8$
$9x − 6y = 15$
_____
$13x = 23$

$x = \dfrac{23}{13}$

$6x + 9y = 12$
$-6x + 4y = -10$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

12. $2x + 3y = 4$

  $3x \div 2y = 5$

$4x + 6y = 8$

$9x \div 6y = 15$

$13x = 23$

$$x = \frac{23}{13}$$

$6x + 9y = 12$

$-6x + 4y = -10$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.

$$2x + 3y = 4$$
$$3x \text{ ó } 2y = 5$$

$$4x + 6y = 8$$
$$9x \text{ ó } 6y = 15$$
$$\overline{}$$
$$13x = 23$$

$$x = \frac{23}{13}$$

$$6x + 9y = 12$$
$$-6x + 4y = -10$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12. $2x + 3y = 4$

$3x - 2y = 5$

(top multiplied by 2, bottom by 3)

$4x + 6y = 8$
$9x - 6y = 15$
$$13x = 23$$

$$x = \frac{23}{13}$$

(top multiplied by 3, bottom by -2)

$6x + 9y = 12$
$-6x + 4y = -10$
$$13y$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12.

$2x + 3y = 4$

$3x \acute{o} 2y = 5$

$4x + 6y = 8$

$9x \acute{o} 6y = 15$

$\overline{}$

$13x = 23$

$$x = \frac{23}{13}$$

$6x + 9y = 12$

$-6x + 4y = -10$

$\overline{}$

$13y =$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.
$$2x + 3y = 4$$
$$3x − 2y = 5$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

$$4x + 6y = 8$$
$$9x − 6y = 15$$
$$\overline{13x = 23}$$

$$x = \frac{23}{13}$$

$$6x + 9y = 12$$
$$-6x + 4y = -10$$
$$\overline{13y = 2}$$

Notice that the y terms are opposite.
Add the equations.
Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.

$$2x + 3y = 4$$
$$3x \text{ ó } 2y = 5$$

$$4x + 6y = 8$$
$$9x \text{ ó } 6y = 15$$
$$\overline{13x = 23}$$

$$x = \frac{23}{13}$$

$$6x + 9y = 12$$
$$-6x + 4y = -10$$
$$\overline{13y = 2}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

12.

$$2x + 3y = 4$$
$$3x \: ó \: 2y = 5$$

$$4x + 6y = 8$$
$$9x \: ó \: 6y = 15$$
$$\overline{13x = 23}$$

$$x = \frac{23}{13}$$

$$6x + 9y = 12$$
$$-6x + 4y = -10$$
$$\overline{13y = 2}$$

$$y$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.
Multiply both sides of the top equation by 3.
Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

12.
$$2x + 3y = 4$$
$$3x \text{ ó } 2y = 5$$

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

$$4x + 6y = 8$$
$$9x \text{ ó } 6y = 15$$
$$\overline{}$$
$$13x = 23$$

$$x = \frac{23}{13}$$

$$6x + 9y = 12$$
$$-6x + 4y = -10$$
$$\overline{}$$
$$13y = 2$$

$$y =$$

Notice that the y terms are opposite. Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the **multiplication-addition method**.

To solve for x, we must eliminate the y terms.

12. $\begin{array}{l} 2 \\ 3 \end{array}$ $\begin{array}{l} 2x + 3y = 4 \\ 3x - 2y = 5 \end{array}$ $\begin{array}{l} 3 \\ -2 \end{array}$

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

$$4x + 6y = \;\; 8$$
$$9x - 6y = 15$$
$$\overline{13x = 23}$$

$$6x + 9y = \;\; 12$$
$$-6x + 4y = -10$$
$$\overline{13y = 2}$$

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

$$x = \frac{23}{13}$$

$$y = \frac{2}{13}$$

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3   Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.

$$2x + 3y = 4$$
$$3x - 2y = 5$$

$$4x + 6y = 8$$
$$9x - 6y = 15$$
$$\overline{13x = 23}$$

$$x = \frac{23}{13}$$

$$6x + 9y = 12$$
$$-6x + 4y = -10$$
$$\overline{13y = 2}$$

$$y = \frac{2}{13}$$

$$x = \frac{23}{13}$$

$$y = \frac{2}{13}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

Add the equations.

Now, solve for x.

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.

General Algebra 2   CWS #3   Unit 3 Solutions

Solve each of the following systems of equations using the
multiplication-addition method.

12.
$$2x + 3y = 4$$
$$3x \div 2y = 5$$

with multipliers 2 and 3 (top), 3 and -2 (bottom)

$$x = \frac{23}{13}$$
$$y = \frac{2}{13}$$

To solve for x, we must eliminate the y terms.

Multiply both sides of the top equation by 2.

Multiply both sides of the bottom equation by 3.

Notice that the y terms are opposite.

$$x = \frac{23}{13}$$

$$y = \frac{2}{13}$$

Good luck on your homework !!

To solve for y, we must eliminate the x terms.

Multiply both sides of the top equation by 3.

Multiply both sides of the bottom equation by -2.

Notice that the x terms are opposite.

Add the equations.

Now, solve for y.