Algebra I Lesson #2 Unit 9
Class Worksheet #2
For Worksheets #2 & #4

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

1. $4x + 3y = 11$
      $y = 2x - 3$

Algebra I Class Worksheet #2 Unit 9 Solutions

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1. $4x + 3y = 11$

$y = 2x - 3$

Notice that the second equation says that $y = 2x - 3$.

Algebra I   Class Worksheet #2   Unit 9   Solutions

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Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

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Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the y in the first equation.

Algebra I Class Worksheet #2 Unit 9 Solutions

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Notice that the second equation says that $y = 2x - 3$.

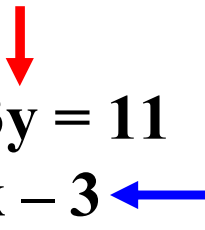We can substitute $2x - 3$ for the **y** in the first equation.

It looks like this.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

1. $4x + 3y = 11$
      $y = 2x - 3$

      $4x$

Notice that the second equation says that $y = 2x - 3$.

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Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

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Notice that the second equation says that $y = 2x - 3$.

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Algebra I   Class Worksheet #2   Unit 9   Solutions

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Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

1. $4x + 3y = 11$

$y = 2x - 3$

$4x + 3(2x - 3)$

Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the y in the first equation.

It looks like this.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

1. $4x + 3y = 11$

   $y = 2x - 3$

   $4x + 3(2x - 3) = 11$

Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the y in the first equation.

It looks like this.

Algebra I   Class Worksheet #2   Unit 9   Solutions

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   $4x + 3(2x - 3) = 11$

Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the **y** in the first equation.

It looks like this.

Now, just solve for x.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

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    $4x + 3(2x - 3) = 11$

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Notice that the second equation says that $y = 2x - 3$.

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Now, just solve for x.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

1. $4x + 3y = 11$

$y = 2x - 3$

$4x + 3(2x - 3) = 11$

$4x + 6x$

Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the y in the first equation.

It looks like this.

Now, just solve for x.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

1. $4x + 3y = 11$

$y = 2x - 3$

$4x + 3(2x - 3) = 11$

$4x + 6x - 9$

Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the y in the first equation.

It looks like this.

Now, just solve for x.

Algebra I Class Worksheet #2 Unit 9 Solutions

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Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the y in the first equation.

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Now, just solve for x.

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Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the y in the first equation.

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Now, just solve for x.

Once you know the value of x, you can substitute again to find y.

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$x = 2$

$y = 2x - 3$

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$$4x + 6x - 9 = 11$$

It looks like this.

$$10x - 9 = 11$$

Now, just solve for x.

$$10x = 20$$

Once you know the value of x, you can substitute again to find y.

$$x = 2$$

$$y = 2x - 3$$
$$y = 2(2) - 3$$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

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$$4x + 3y = 11$$
$$y = 2x - 3$$

$$4x + 3(2x - 3) = 11$$

$$4x + 6x - 9 = 11$$

$$10x - 9 = 11$$

$$10x = 20$$

$$x = 2$$

$$y = 2x - 3$$
$$y = 2(2) - 3$$
$$y =$$

Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the **y** in the first equation.

It looks like this.

Now, just solve for x.

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$4x + 3(2x - 3) = 11$

We can substitute $2x - 3$ for the y in the first equation.

$4x + 6x - 9 = 11$

It looks like this.

$10x - 9 = 11$

Now, just solve for x.

$10x = 20$

$x = 2$

Once you know the value of x, you can substitute again to find y.

$y = 2x - 3$
$y = 2(2) - 3$
$y = 4 - 3$

Algebra I Class Worksheet #2 Unit 9 Solutions

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    $4x + 3(2x - 3) = 11$

    $4x + 6x - 9 = 11$

    $10x - 9 = 11$

    $10x = 20$

    $x = 2$

    $y = 2x - 3$

    $y = 2(2) - 3$

    $y = 4 - 3$

    $y = 1$

Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the **y** in the first equation.

It looks like this.

Now, just solve for x.

Once you know the value of x, you can substitute again to find y.

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$4x + 6x - 9 = 11$

$10x - 9 = 11$

$10x = 20$

$x = 2$

$y = 2x - 3$

$y = 2(2) - 3$

$y = 4 - 3$

$y = 1$

Notice that the second equation says that $y = 2x - 3$.

We can substitute $2x - 3$ for the y in the first equation.

It looks like this.

Now, just solve for x.

Once you know the value of x, you can substitute again to find y.

The solution can be written like this.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

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$y = 1$

Notice that the second equation says that $y = 2x - 3$.

$4x + 3(2x - 3) = 11$

We can substitute $2x - 3$ for the **y** in the first equation.

$4x + 6x - 9 = 11$

It looks like this.

$10x - 9 = 11$

Now, just solve for x.

$10x = 20$

Once you know the value of x, you can substitute again to find y.

$x = 2$

The solution can be written like this.

$y = 2x - 3$

$y = 2(2) - 3$

$y = 4 - 3$

$y = 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

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1. $4x + 3y = 11$

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$\boxed{\begin{array}{l} x = 2 \\ y = 1 \end{array}}$

Notice that the second equation says that $y = 2x - 3$.

$4x + 3(2x - 3) = 11$

We can substitute $2x - 3$ for the y in the first equation.

$4x + 6x - 9 = 11$

It looks like this.

$10x - 9 = 11$

Now, just solve for x.

$10x = 20$

$x = 2$

Once you know the value of x, you can substitute again to find y.

$y = 2x - 3$

The solution can be written like this.

$y = 2(2) - 3$

I'll show you some more examples.

$y = 4 - 3$

$y = 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $\quad 2x + 5y = 11$

$\quad\quad y = 2x + 7$

Algebra I   Class Worksheet #2   Unit 9 Solutions
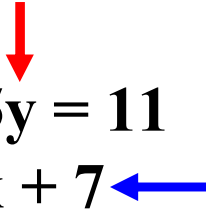
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Algebra I   Class Worksheet #2   Unit 9   Solutions

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Algebra I   Class Worksheet #2   Unit 9   Solutions

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2. $2x + 5y = 11$

$y = 2x + 7$

$2x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

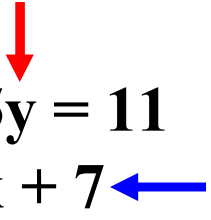Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$

$y = 2x + 7$

$2x + 5($

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$

$y = 2x + 7$

$2x + 5(2x + 7)$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $\quad 2x + 5y = 11$

$\quad\quad y = 2x + 7$

$\quad 2x + 5(2x + 7) = 11$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$

$y = 2x + 7$

$2x + 5(2x + 7) = 11$ Make sure you understand this step.

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$
         $y = 2x + 7$

$2x + 5(2x + 7) = 11$ Make sure you understand this step.

Now just solve for x.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$
         $y = 2x + 7$

$2x + 5(2x + 7) = 11$ Make sure you understand this step.

$2x$ Now just solve for x.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

2.	$2x + 5y = 11$

$y = 2x + 7$

$2x + 5(2x + 7) = 11$	Make sure you understand this step.

$2x + 10x$	Now just solve for x.

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$

   $y = 2x + 7$

   $2x + 5(2x + 7) = 11$

   $2x + 10x + 35$

Make sure you understand this step.

Now just solve for x.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

2.　　　$2x + 5y = 11$

　　　　$y = 2x + 7$

　　　　$2x + 5(2x + 7) = 11$　　　Make sure you understand this step.

　　　　$2x + 10x + 35 = 11$　　　Now just solve for x.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$
    $y = 2x + 7$

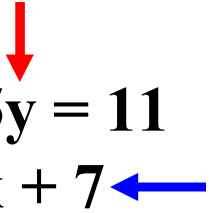$2x + 5(2x + 7) = 11$
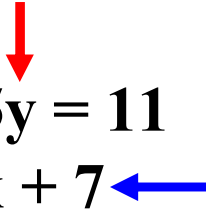
$2x + 10x + 35 = 11$

$12x$

Make sure you understand this step.

Now just solve for x.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$
    $y = 2x + 7$

$2x + 5(2x + 7) = 11$ Make sure you understand this step.

$2x + 10x + 35 = 11$ Now just solve for x.

$12x + 35$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$

         $y = 2x + 7$

   $2x + 5(2x + 7) = 11$ Make sure you understand this step.

   $2x + 10x + 35 = 11$ Now just solve for x.

   $12x + 35 = 11$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

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$y = 2x + 7$

$2x + 5(2x + 7) = 11$ Make sure you understand this step.

$2x + 10x + 35 = 11$ Now just solve for x.

$12x + 35 = 11$

$12x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$

          $y = 2x + 7$

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$2x + 10x + 35 = 11$ Now just solve for x.

$12x + 35 = 11$

$12x = -24$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

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          $y = 2x + 7$

$2x + 5(2x + 7) = 11$ Make sure you understand this step.

$2x + 10x + 35 = 11$ Now just solve for x.

$12x + 35 = 11$

$12x = -24$

$x = -2$

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$2x + 10x + 35 = 11$ Now just solve for x.

$12x + 35 = 11$

$12x = -24$

$x = -2$ Now, substitute again to find y.

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   $y = 2x + 7$

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   $2x + 10x + 35 = 11$ Now just solve for x.

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   $12x = -24$

   $x = -2$ Now, substitute again to find y.

   $y = 2x + 7$

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$x = -2$

$y = 2x + 7$

$y =$

Make sure you understand this step.

Now just solve for x.

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Now just solve for x.

$2x + 10x + 35 = 11$

$12x + 35 = 11$

$12x = -24$

$x = -2$

Now, substitute again to find y.

$y = 2x + 7$

$y = 2(-2) + 7$

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Solve each of the following systems of equations using the **substitution method**.

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$2x + 10x + 35 = 11$ Now just solve for x.

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$12x = -24$

$x = -2$ Now, substitute again to find y.

$y = 2x + 7$

$y = 2(-2) + 7$

$y = -4 + 7$

Algebra I Class Worksheet #2 Unit 9 Solutions

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$12x + 35 = 11$

$12x = -24$

                          Now, substitute again to find y.

$x = -2$

$y = 2x + 7$

$y = 2(-2) + 7$

$y = -4 + 7$

$y = 3$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

2. $2x + 5y = 11$

$y = 2x + 7$ $\boxed{\begin{array}{l} x = -2 \\ y = 3 \end{array}}$

$2x + 5(2x + 7) = 11$ Make sure you understand this step.

$2x + 10x + 35 = 11$ Now just solve for x.

$12x + 35 = 11$

$12x = -24$

$x = -2$ Now, substitute again to find y.

$y = 2x + 7$

$y = 2(-2) + 7$

$y = -4 + 7$

$y = 3$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

        $x = y - 2$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

       $x = y - 2$ ←

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

       $x = y - 2$

Algebra I   Class Worksheet #2   Unit 9   Solutions

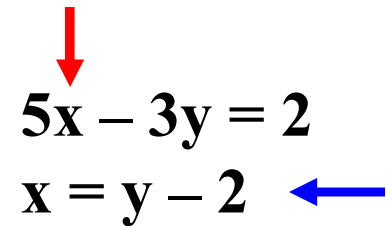Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

     $x = y - 2$

This time we have to substitute for x.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

$x = y - 2$

$5($

This time we have to substitute for x.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

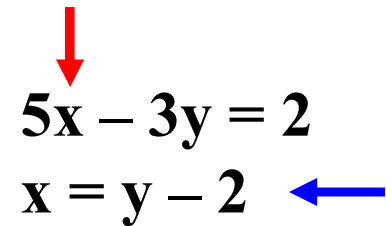 $x = y - 2$

   $5(y - 2)$

This time we have to substitute for x.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

   $x = y - 2$

   $5(y - 2) - 3y$

   This time we have to substitute for x.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

       $x = y - 2$

       $5(y - 2) - 3y = 2$ This time we have to substitute for x.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

        $x = y - 2$

    $5(y - 2) - 3y = 2$ This time we have to substitute for x.

                                  Now solve for y.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

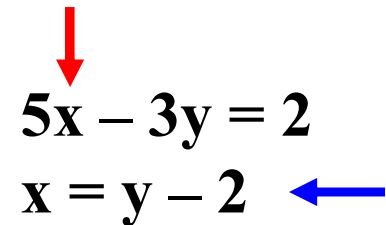3. $5x - 3y = 2$

   $x = y - 2$

   $5(y - 2) - 3y = 2$

   $5y$

This time we have to substitute for x.

Now solve for y.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3.　　$5x - 3y = 2$

　　　$x = y - 2$
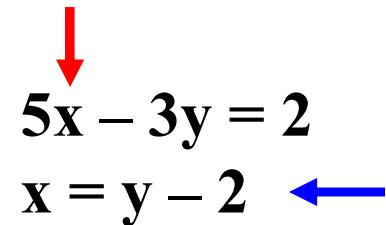
　　$5(y - 2) - 3y = 2$

　　$5y - 10$

This time we have to substitute for x.

Now solve for y.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

   $x = y - 2$

   $5(y - 2) - 3y = 2$ This time we have to substitute for x.

   $5y - 10 - 3y$

   Now solve for y.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

$x = y - 2$

$5(y - 2) - 3y = 2$
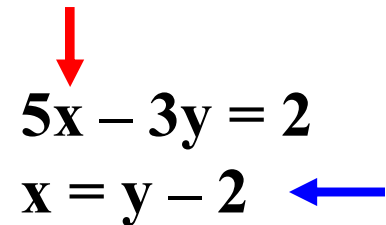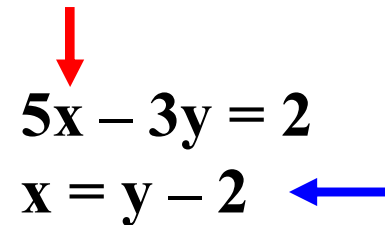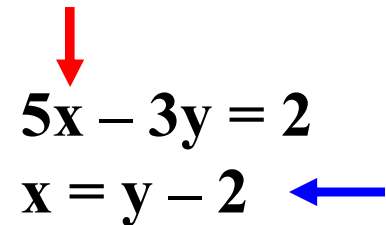
$5y - 10 - 3y = 2$

This time we have to substitute for x.

Now solve for y.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

$x = y - 2$

$5(y - 2) - 3y = 2$

This time we have to substitute for x.

$5y - 10 - 3y = 2$

$2y$

Now solve for y.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

   $x = y - 2$

   $5(y - 2) - 3y = 2$ This time we have to substitute for x.

   $5y - 10 - 3y = 2$

   $2y - 10$ Now solve for y.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3.　　　$5x - 3y = 2$

　　　$x = y - 2$

　　　$5(y - 2) - 3y = 2$　　　This time we have to substitute for x.

　　　$5y - 10 - 3y = 2$

　　　$2y - 10 = 2$　　　Now solve for y.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

   $x = y - 2$

   $5(y - 2) - 3y = 2$ This time we have to substitute for x.

   $5y - 10 - 3y = 2$

   $2y - 10 = 2$ Now solve for y.

   $2y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

$x = y - 2$

$5(y - 2) - 3y = 2$

$5y - 10 - 3y = 2$
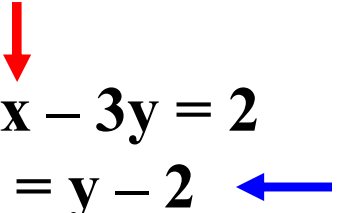
$2y - 10 = 2$

$2y = 12$

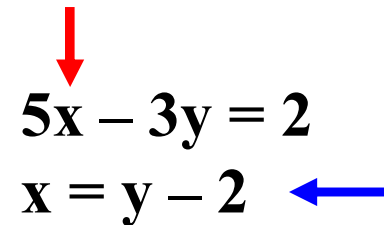This time we have to substitute for x.

Now solve for y.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

   $x = y - 2$

   $5(y - 2) - 3y = 2$ This time we have to substitute for x.

   $5y - 10 - 3y = 2$

   $2y - 10 = 2$ Now solve for y.

   $2y = 12$

   $y = 6$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

       $x = y - 2$

         $5(y - 2) - 3y = 2$ This time we have to substitute for x.

         $5y - 10 - 3y = 2$

           $2y - 10 = 2$ Now solve for y.

             $2y = 12$

               $y = 6$ Finally, substitute again to find x.

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3.　　$5x - 3y = 2$

　　　$x = y - 2$

　　　$5(y - 2) - 3y = 2$　　　This time we have to substitute for x.

　　　$5y - 10 - 3y = 2$

　　　　$2y - 10 = 2$　　　Now solve for y.

　　　　　$2y = 12$

　　　　　$y = 6$　　　Finally, substitute again to find x.

　　　　$x = y - 2$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

   $x = y - 2$

   $5(y - 2) - 3y = 2$ This time we have to substitute for x.

   $5y - 10 - 3y = 2$

   $2y - 10 = 2$ Now solve for y.

   $2y = 12$

   $y = 6$ Finally, substitute again to find x.

   $x = y - 2$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

$x = y - 2$

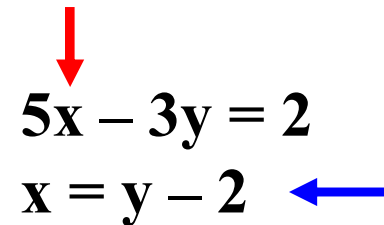$5(y - 2) - 3y = 2$

$5y - 10 - 3y = 2$

$2y - 10 = 2$

$2y = 12$

$y = 6$

$x = y - 2$

$x =$

This time we have to substitute for x.

Now solve for y.

Finally, substitute again to find x.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

      $x = y - 2$

    $5(y - 2) - 3y = 2$

    $5y - 10 - 3y = 2$

     $2y - 10 = 2$

      $2y = 12$

       $y = 6$

     $x = y - 2$

     $x = 6 - 2$

This time we have to substitute for x.

Now solve for y.

Finally, substitute again to find x.

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

　　　　$x = y - 2$ ←

　　　$5(y - 2) - 3y = 2$ This time we have to substitute for x.

　　　$5y - 10 - 3y = 2$

　　　　$2y - 10 = 2$ Now solve for y.

　　　　$2y = 12$

　　　　$y = 6$ Finally, substitute again to find x.

　　　　$x = y - 2$

　　　　$x = 6 - 2$

　　　　$x = 4$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

3. $5x - 3y = 2$

$x = y - 2$ ← | $x = 4$
                  | $y = 6$

$5(y - 2) - 3y = 2$

$5y - 10 - 3y = 2$

This time we have to substitute for x.

$2y - 10 = 2$

Now solve for y.

$2y = 12$

$y = 6$

Finally, substitute again to find x.

$x = y - 2$

$x = 6 - 2$

$x = 4$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

         $x = 3y - 4$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

         $x = 3y - 4$ ←

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

 $x = 3y - 4$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

$x = 3y - 4$

$2($

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

         $x = 3y - 4$

         $2(3y - 4)$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

$x = 3y - 4$

$2(3y - 4) + 5y$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4.　　　$2x + 5y = 3$

　　　　$x = 3y - 4$

　　　$2(3y - 4) + 5y = 3$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

   $x = 3y - 4$ $\longleftarrow$

   $2(3y - 4) + 5y = 3$ Make sure you understand this step.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

$x = 3y - 4$

$2(3y - 4) + 5y = 3$ Make sure you understand this step.

Now just solve for y.

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

   $x = 3y - 4$

   $2(3y - 4) + 5y = 3$ Make sure you understand this step.

   $6y$ Now just solve for y.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

$x = 3y - 4$

$2(3y - 4) + 5y = 3$ Make sure you understand this step.

$6y - 8$ Now just solve for y.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

   $x = 3y - 4$

   $2(3y - 4) + 5y = 3$ Make sure you understand this step.

   $6y - 8 + 5y$ Now just solve for y.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

   $x = 3y - 4$

   $2(3y - 4) + 5y = 3$ Make sure you understand this step.

   $6y - 8 + 5y = 3$ Now just solve for y.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

           $x = 3y - 4$

           $2(3y - 4) + 5y = 3$ Make sure you understand this step.

           $6y - 8 + 5y = 3$ Now just solve for y.

           $11y$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

$x = 3y - 4$

$2(3y - 4) + 5y = 3$ Make sure you understand this step.

$6y - 8 + 5y = 3$ Now just solve for y.

$11y - 8$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

 $x = 3y - 4$ ←

 $2(3y - 4) + 5y = 3$ Make sure you understand this step.

 $6y - 8 + 5y = 3$ Now just solve for y.

 $11y - 8 = 3$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

   $x = 3y - 4$

   $2(3y - 4) + 5y = 3$ Make sure you understand this step.

   $6y - 8 + 5y = 3$ Now just solve for y.

   $11y - 8 = 3$

   $11y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

         $x = 3y - 4$

         $2(3y - 4) + 5y = 3$ Make sure you understand this step.

         $6y - 8 + 5y = 3$ Now just solve for y.

         $11y - 8 = 3$

         $11y = 11$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

          $x = 3y - 4$

          $2(3y - 4) + 5y = 3$ Make sure you understand this step.

          $6y - 8 + 5y = 3$ Now just solve for y.

          $11y - 8 = 3$

          $11y = 11$

          $y = 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

   $x = 3y - 4$

   $2(3y - 4) + 5y = 3$ Make sure you understand this step.

   $6y - 8 + 5y = 3$ Now just solve for y.

   $11y - 8 = 3$

   $11y = 11$

   $y = 1$ Substitute again to find x.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4.　　　$2x + 5y = 3$

　　　　$x = 3y - 4$ ←

$2(3y - 4) + 5y = 3$　　　Make sure you understand this step.

$6y - 8 + 5y = 3$　　　Now just solve for y.

$11y - 8 = 3$

$11y = 11$

$y = 1$　　　Substitute again to find x.

$x = 3y - 4$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

$x = 3y - 4$

$2(3y - 4) + 5y = 3$ Make sure you understand this step.

$6y - 8 + 5y = 3$ Now just solve for y.

$11y - 8 = 3$

$11y = 11$

$y = 1$ Substitute again to find x.

$x = 3y - 4$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4.　　　$2x + 5y = 3$

　　　$x = 3y - 4$

　　$2(3y - 4) + 5y = 3$　　　Make sure you understand this step.

　　$6y - 8 + 5y = 3$　　　Now just solve for y.

　　$11y - 8 = 3$

　　$11y = 11$

　　$y = 1$　　　Substitute again to find x.

　　$x = 3y - 4$

　　$x =$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

       $x = 3y - 4$

       $2(3y - 4) + 5y = 3$ Make sure you understand this step.

       $6y - 8 + 5y = 3$ Now just solve for y.

       $11y - 8 = 3$

       $11y = 11$

       $y = 1$ Substitute again to find x.

       $x = 3y - 4$

       $x = 3(1) - 4$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

$x = 3y - 4$

$2(3y - 4) + 5y = 3$ Make sure you understand this step.

$6y - 8 + 5y = 3$ Now just solve for y.

$11y - 8 = 3$

$11y = 11$

$y = 1$ Substitute again to find x.

$x = 3y - 4$

$x = 3(1) - 4$

$x = 3 - 4$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

     $x = 3y - 4$

     $2(3y - 4) + 5y = 3$ Make sure you understand this step.

     $6y - 8 + 5y = 3$ Now just solve for y.

     $11y - 8 = 3$

     $11y = 11$

     $y = 1$ Substitute again to find x.

     $x = 3y - 4$

     $x = 3(1) - 4$

     $x = 3 - 4$

     $x = -1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

4. $2x + 5y = 3$

$x = 3y - 4$ $\longleftarrow$ | $x = -1$ |
| $y = 1$ |

$2(3y - 4) + 5y = 3$ Make sure you understand this step.

$6y - 8 + 5y = 3$ Now just solve for y.

$11y - 8 = 3$

$11y = 11$

$y = 1$ Substitute again to find x.

$x = 3y - 4$

$x = 3(1) - 4$

$x = 3 - 4$

$x = -1$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$

    $2x + 3y = 19$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ⬅

$2x + 3y = 19$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

$2x + 3y = 19$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $\quad y = x - 2$ ←

$\quad 2x + 3y = 19$

↑

$2x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

   $2x + 3y = 19$

   $2x + 3($

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

   $2x + 3y = 19$

   ↑

   $2x + 3(x - 2)$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ⟵

$2x + 3y = 19$

↑

$2x + 3(x - 2) = 19$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

$2x + 3y = 19$

↑

$2x + 3(x - 2) = 19$

$2x$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ⬅

 $2x + 3y = 19$

 ⬆

 $2x + 3(x - 2) = 19$

 $2x + 3x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ⟵

$2x + 3y = 19$

↑

$2x + 3(x - 2) = 19$

$2x + 3x - 6$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

5.　　$y = x - 2$ ←

　　$2x + 3y = 19$

↑

$2x + 3(x - 2) = 19$

$2x + 3x - 6 = 19$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

     $2x + 3y = 19$

     ↑

     $2x + 3(x - 2) = 19$

     $2x + 3x - 6 = 19$

     $5x$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

$2x + 3y = 19$

↑

$2x + 3(x - 2) = 19$

$2x + 3x - 6 = 19$

$5x - 6$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ⟵

    $2x + 3y = 19$

⬆

$2x + 3(x - 2) = 19$

$2x + 3x - 6 = 19$

$5x - 6 = 19$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

   $2x + 3y = 19$

   ↑

   $2x + 3(x - 2) = 19$

   $2x + 3x - 6 = 19$

   $5x - 6 = 19$

   $5x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

5.　　　$y = x - 2$ ⟵

$2x + 3y = 19$

↑

$2x + 3(x - 2) = 19$

$2x + 3x - 6 = 19$

$5x - 6 = 19$

$5x = 25$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

 $2x + 3y = 19$

 ↑

 $2x + 3(x - 2) = 19$

 $2x + 3x - 6 = 19$

 $5x - 6 = 19$

 $5x = 25$

 $x = 5$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ⟵

$2x + 3y = 19$

⬆

$2x + 3(x - 2) = 19$

$2x + 3x - 6 = 19$

$5x - 6 = 19$

$5x = 25$

$x = 5$

$y = x - 2$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

   $2x + 3y = 19$

   ↑

   $2x + 3(x - 2) = 19$

   $2x + 3x - 6 = 19$

   $5x - 6 = 19$

   $5x = 25$

   $x = 5$

   $y = x - 2$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

   $2x + 3y = 19$

   ↑

   $2x + 3(x - 2) = 19$

   $2x + 3x - 6 = 19$

   $5x - 6 = 19$

   $5x = 25$

   $x = 5$ ↙

   $y = x - 2$

   $y =$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

$2x + 3y = 19$

↑

$2x + 3(x - 2) = 19$

$2x + 3x - 6 = 19$

$5x - 6 = 19$

$5x = 25$

$x = 5$

$y = x - 2$

$y = 5 - 2$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ←

$2x + 3y = 19$

↑

$2x + 3(x - 2) = 19$

$2x + 3x - 6 = 19$

$5x - 6 = 19$

$5x = 25$

$x = 5$

↙

$y = x - 2$

$y = 5 - 2$

$y = 3$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

5. $y = x - 2$ ← $\boxed{\begin{array}{l} x = 5 \\ y = 3 \end{array}}$

$2x + 3y = 19$

$2x + 3(x - 2) = 19$

$2x + 3x - 6 = 19$

$5x - 6 = 19$

$5x = 25$

$x = 5$

$y = x - 2$

$y = 5 - 2$

$y = 3$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$

$2x + y = -9$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⬅

        $2x + y = -9$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ←

$2x + y = -9$ ↑

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ←

   $2x + y = -9$

   ↑

   $2x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⟵

$2x + y = -9$

⬆

$2x + (3x + 1)$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⟵

   $2x + y = -9$

   ⬆

   $2x + (3x + 1) = -9$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⟵

  $2x + y = -9$

  ⟰

  $2x + (3x + 1) = -9$

  $5x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⬅

$2x + y = -9$

⬆

$2x + (3x + 1) = -9$

$5x + 1$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⟵

     $2x + y = -9$

     ⬆

     $2x + (3x + 1) = -9$

     $5x + 1 = -9$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⟵

$2x + y = -9$

↑

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $\quad y = 3x + 1$ ⬅

$\quad 2x + y = -9$

⬆

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x = -10$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ←

$2x + y = -9$

↑

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x = -10$

$x = -2$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⟵

$2x + y = -9$

⟶

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x = -10$

$x = -2$

$y = 3x + 1$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6.　　　$y = 3x + 1$ ⟵

　　　$2x + y = -9$

　　　↑

　　　$2x + (3x + 1) = -9$

　　　$5x + 1 = -9$

　　　$5x = -10$

　　　$x = -2$

　　　$y = 3x + 1$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⟵

$2x + y = -9$

⬆

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x = -10$

$x = -2$

$y = 3x + 1$

$y =$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $\quad y = 3x + 1$ ⬅

$\quad 2x + y = -9$

⬆

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x = -10$

$x = -2$

↙

$y = 3x + 1$

$y = 3(-2) + 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⟵

$2x + y = -9$

↑

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x = -10$

$x = -2$

$y = 3x + 1$

$y = 3(-2) + 1$

$y =$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ←

$2x + y = -9$

↑

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x = -10$

$x = -2$

$y = 3x + 1$

$y = 3(-2) + 1$

$y = -6 + 1$

Algebra I Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⬅

$2x + y = -9$

⬆

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x = -10$

$x = -2$

↙

$y = 3x + 1$

$y = 3(-2) + 1$

$y = -6 + 1$

$y = -5$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

6. $y = 3x + 1$ ⟵ $x = -2$
       $2x + y = -9$ $y = -5$

$2x + (3x + 1) = -9$

$5x + 1 = -9$

$5x = -10$

$x = -2$

$y = 3x + 1$

$y = 3(-2) + 1$

$y = -6 + 1$

$y = -5$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$
     $4x - 3y = -9$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $\quad x = 4y + 1 \longleftarrow$

$\quad\quad 4x - 3y = -9$

Algebra I Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ⟵

$4x - 3y = -9$

↑

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ←

   $4x - 3y = -9$

   ↑

   $4($

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$

$4x - 3y = -9$

$4(4y + 1)$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ⟵

   $4x - 3y = -9$

   ↑

   $4(4y + 1) - 3y$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $\quad x = 4y + 1$ ⟵

$\quad 4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ←

   $4x - 3y = -9$

   ↑

   $4(4y + 1) - 3y = -9$

   $16y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $\quad x = 4y + 1$ $\longleftarrow$

$\quad\quad 4x - 3y = -9$

$\quad\quad\uparrow$

$\quad 4(4y + 1) - 3y = -9$

$\quad\quad 16y + 4$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ⟵

$4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ←

$4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ⟵

$4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $\qquad x = 4y + 1 \quad \longleftarrow$

$\qquad 4x - 3y = -9$

$\qquad\qquad \uparrow$

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ⟵

$4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4 = -9$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ⟵

      $4x - 3y = -9$

⬆

      $4(4y + 1) - 3y = -9$

      $16y + 4 - 3y = -9$

      $13y + 4 = -9$

      $13y$

Algebra I Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ⟵

   $4x - 3y = -9$

   ↑

   $4(4y + 1) - 3y = -9$

   $16y + 4 - 3y = -9$

   $13y + 4 = -9$

   $13y = -13$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $\quad x = 4y + 1$ ⟵

$\quad 4x - 3y = -9$

⬆

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4 = -9$

$13y = -13$

$y = -1$

Algebra I Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ←

   $4x - 3y = -9$

   ↑

   $4(4y + 1) - 3y = -9$

   $16y + 4 - 3y = -9$

   $13y + 4 = -9$

   $13y = -13$

   $y = -1$

   $x = 4y + 1$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7.　　　　$x = 4y + 1$ ←

$4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4 = -9$

$13y = -13$

$y = -1$

$x = 4y + 1$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7.　　　$x = 4y + 1$ ←

$4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4 = -9$

$13y = -13$

$y = -1$

$x = 4y + 1$

$x =$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $\quad x = 4y + 1$ ←

$\quad 4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4 = -9$

$13y = -13$

$y = -1$

$x = 4y + 1$

$x = 4(-1) + 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $\quad x = 4y + 1$ ←

$\quad 4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4 = -9$

$13y = -13$

$y = -1$

$x = 4y + 1$

$x = 4(-1) + 1$

$x =$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7.　　　$x = 4y + 1$ ⟵

$4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4 = -9$

$13y = -13$

$y = -1$

$x = 4y + 1$

$x = 4(-1) + 1$

$x = -4 + 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$ ←

$4x - 3y = -9$

↑

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4 = -9$

$13y = -13$

$y = -1$

$x = 4y + 1$

$x = 4(-1) + 1$

$x = -4 + 1$

$x = -3$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

7. $x = 4y + 1$

$4x - 3y = -9$

$\boxed{\begin{array}{l} x = -3 \\ y = -1 \end{array}}$

$4(4y + 1) - 3y = -9$

$16y + 4 - 3y = -9$

$13y + 4 = -9$

$13y = -13$

$y = -1$

$x = 4y + 1$

$x = 4(-1) + 1$

$x = -4 + 1$

$x = -3$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$

   $3x + 4y = 25$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ⬅

   $3x + 4y = 25$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

$3x + 4y = 25$

↑

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

$3x + 4y = 25$

↑

$3($

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ⟵

$3x + 4y = 25$

↑

$3(2y - 5)$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

$3x + 4y = 25$

↑

$3(2y - 5) + 4y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8.　　　　$x = 2y - 5$　←

$3x + 4y = 25$

↑

$3(2y - 5) + 4y = 25$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8.　　　$x = 2y - 5$ ⟵

　　　$3x + 4y = 25$

⟰

　　$3(2y - 5) + 4y = 25$

　　　$6y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

$3x + 4y = 25$

↑

$3(2y - 5) + 4y = 25$

$6y - 15$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

$3x + 4y = 25$

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

$3x + 4y = 25$

↑

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

$3x + 4y = 25$

↑

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $\qquad x = 2y - 5 \leftarrow$

$\qquad 3x + 4y = 25$

$\uparrow$

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ⟵

$3x + 4y = 25$

⬆

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15 = 25$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $\quad x = 2y - 5$ ⟵

$\quad 3x + 4y = 25$

↑

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15 = 25$

$10y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $\quad$ $x = 2y - 5$ ⟵

$\quad\quad 3x + 4y = 25$

⬆

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15 = 25$

$10y = 40$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ⟵

        $3x + 4y = 25$

        ⬆

    $3(2y - 5) + 4y = 25$

    $6y - 15 + 4y = 25$

    $10y - 15 = 25$

    $10y = 40$

    $y = 4$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

        $3x + 4y = 25$

        ↑

        $3(2y - 5) + 4y = 25$

        $6y - 15 + 4y = 25$

        $10y - 15 = 25$

        $10y = 40$

        $y = 4$

        $x = 2y - 5$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ $\leftarrow$

$3x + 4y = 25$

$\uparrow$

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15 = 25$

$10y = 40$

$y = 4$

$x = 2y - 5$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ⟵

$3x + 4y = 25$

⬆

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15 = 25$

$10y = 40$

$y = 4$

↙

$x = 2y - 5$

$x =$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $\quad$ $x = 2y - 5$ $\longleftarrow$

$\quad$ $3x + 4y = 25$

$\uparrow$

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15 = 25$

$10y = 40$

$y = 4$

$x = 2y - 5$

$x = 2(4) - 5$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

$3x + 4y = 25$

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15 = 25$

$10y = 40$

$y = 4$

$x = 2y - 5$

$x = 2(4) - 5$

$x =$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8.

$$x = 2y - 5 \longleftarrow$$

$$3x + 4y = 25$$

$$\uparrow$$

$$3(2y - 5) + 4y = 25$$

$$6y - 15 + 4y = 25$$

$$10y - 15 = 25$$

$$10y = 40$$

$$y = 4$$

$$x = 2y - 5$$

$$x = 2(4) - 5$$

$$x = 8 - 5$$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ←

$3x + 4y = 25$

↑

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15 = 25$

$10y = 40$

$y = 4$

$x = 2y - 5$

$x = 2(4) - 5$

$x = 8 - 5$

$x = 3$

Algebra I   Class Worksheet #2   Unit 9   Solutions

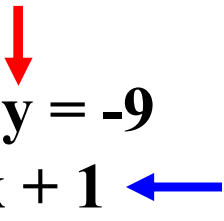Solve each of the following systems of equations using the **substitution method**.

8. $x = 2y - 5$ ⟵ $\boxed{\begin{array}{l} x = 3 \\ y = 4 \end{array}}$

$3x + 4y = 25$

$3(2y - 5) + 4y = 25$

$6y - 15 + 4y = 25$

$10y - 15 = 25$

$10y = 40$

$y = 4$

$x = 2y - 5$

$x = 2(4) - 5$

$x = 8 - 5$

$x = 3$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
    $y = 2x + 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

    $y = 2x + 1$ $\longleftarrow$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
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Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
       $y = 2x + 1$

$4x$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

$y = 2x + 1$

$4x - 3($

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

       $y = 2x + 1$

    $4x - 3(2x + 1)$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
   $y = 2x + 1$

$4x - 3(2x + 1) = -9$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
       $y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

$y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

  $y = 2x + 1$

  $4x - 3(2x + 1) = -9$

  $4x$ Be careful when you multiply.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

$y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x$

Be careful when you multiply.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

$y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3$

Be careful when you multiply.

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

   $y = 2x + 1$

   $4x - 3(2x + 1) = -9$

   $4x - 6x - 3$

Be careful when you multiply.

$(-3)(1) = -3$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

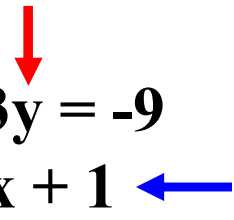9. $4x - 3y = -9$

$y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

   $y = 2x + 1$

   $4x - 3(2x + 1) = -9$

   $4x - 6x - 3 = -9$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
       $y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3 = -9$

$-2x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9.　　　$4x - 3y = -9$

　　　　$y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3 = -9$

$-2x - 3$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $\quad 4x - 3y = -9$

$\quad\quad y = 2x + 1$

$$4x - 3(2x + 1) = -9$$

$$4x - 6x - 3 = -9$$

$$-2x - 3 = -9$$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

$y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3 = -9$

$-2x - 3 = -9$

$-2x$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

$y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3 = -9$

$-2x - 3 = -9$

$-2x = -6$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

   $y = 2x + 1$

   $4x - 3(2x + 1) = -9$

   $4x - 6x - 3 = -9$

   $-2x - 3 = -9$

   $-2x = -6$

   $x = 3$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
      $y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3 = -9$

$-2x - 3 = -9$

$-2x = -6$

$x = 3$

$y = 2x + 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

$y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3 = -9$

$-2x - 3 = -9$

$-2x = -6$

$x = 3$

$y = 2x + 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

$y = 2x + 1$

$4x - 3(2x + 1) = -9$

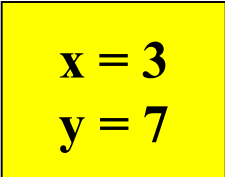$4x - 6x - 3 = -9$

$-2x - 3 = -9$

$-2x = -6$

$x = 3$

$y = 2x + 1$

$y =$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
       $y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3 = -9$

$-2x - 3 = -9$

$-2x = -6$

$x = 3$

$y = 2x + 1$

$y = 2(3) + 1$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
   $y = 2x + 1$

   $4x - 3(2x + 1) = -9$

   $4x - 6x - 3 = -9$

   $-2x - 3 = -9$

   $-2x = -6$

   $x = 3$

   $y = 2x + 1$

   $y = 2(3) + 1$

   $y =$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

   $y = 2x + 1$

   $4x - 3(2x + 1) = -9$

   $4x - 6x - 3 = -9$

   $-2x - 3 = -9$

   $-2x = -6$

   $x = 3$

   $y = 2x + 1$

   $y = 2(3) + 1$

   $y = 6 + 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$
      $y = 2x + 1$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3 = -9$

$-2x - 3 = -9$

$-2x = -6$

$x = 3$

$y = 2x + 1$

$y = 2(3) + 1$

$y = 6 + 1$

$y = 7$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

9. $4x - 3y = -9$

$y = 2x + 1$ ← $\boxed{\begin{array}{l} x = 3 \\ y = 7 \end{array}}$

$4x - 3(2x + 1) = -9$

$4x - 6x - 3 = -9$

$-2x - 3 = -9$

$-2x = -6$

$x = 3$

$y = 2x + 1$

$y = 2(3) + 1$

$y = 6 + 1$

$y = 7$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$

         $2x - 5y = -16$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

        $2x - 5y = -16$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

   $2x - 5y = -16$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

$2x - 5y = -16$

↑

$2x$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⟵

$2x - 5y = -16$

↑

$2x - 5($

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⬅

$2x - 5y = -16$

⬆

$2x - 5(3x - 2)$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⟵

$2x - 5y = -16$

↑

$2x - 5(3x - 2) = -16$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⟵

   $2x - 5y = -16$

   ⬆

   $2x - 5(3x - 2) = -16$

   $2x$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⟵

$2x - 5y = -16$

$2x - 5(3x - 2) = -16$

$2x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

$2x - 5y = -16$

$2x - 5(3x - 2) = -16$

$2x$

Be careful when you multiply.

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

   $2x - 5y = -16$

   $2x - 5(3x - 2) = -16$

   $2x - 15x$

Be careful when you multiply.

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ $\longleftarrow$

$2x - 5y = -16$

$2x - 5(3x - 2) = -16$

$2x - 15x + 10$

Be careful when you multiply.

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⬅

$2x - 5y = -16$

$2x - 5(3x - 2) = -16$

$2x - 15x + 10$

Be careful when you multiply.

$(-5)(-2) = +10$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⟵

$2x - 5y = -16$

↑

$2x - 5(3x - 2) = -16$

$2x - 15x + 10$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⟵

$2x - 5y = -16$

↑

$2x - 5(3x - 2) = -16$

$2x - 15x + 10 = -16$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

$2x - 5y = -16$

↑

$2x - 5(3x - 2) = -16$

$2x - 15x + 10 = -16$

$-13x$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⟵

$2x - 5y = -16$

↑

$2x - 5(3x - 2) = -16$

$2x - 15x + 10 = -16$

$-13x + 10$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10.　　$y = 3x - 2$　←

　　　　$2x - 5y = -16$
　　　　↑

　　　　$2x - 5(3x - 2) = -16$

　　　　$2x - 15x + 10 = -16$

　　　　$-13x + 10 = -16$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

$2x - 5y = -16$

↑

$2x - 5(3x - 2) = -16$

$2x - 15x + 10 = -16$

$-13x + 10 = -16$

$-13x$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⬅

     $2x - 5y = -16$

     ⬆

     $2x - 5(3x - 2) = -16$

     $2x - 15x + 10 = -16$

     $-13x + 10 = -16$

     $-13x = -26$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⬅

$2x - 5y = -16$

⬆

$2x - 5(3x - 2) = -16$

$2x - 15x + 10 = -16$

$-13x + 10 = -16$

$-13x = -26$

$x = 2$

Algebra I   Class Worksheet #2   Unit 9   Solutions

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10. $y = 3x - 2$ ←

$2x - 5y = -16$

↑

$2x - 5(3x - 2) = -16$

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$-13x + 10 = -16$

$-13x = -26$

$x = 2$

$y = 3x - 2$

Algebra I Class Worksheet #2 Unit 9 Solutions

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10. $y = 3x - 2$ ⟵

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$-13x = -26$

$x = 2$

↙

$y = 3x - 2$

Algebra I Class Worksheet #2 Unit 9 Solutions

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$2x - 5(3x - 2) = -16$

$2x - 15x + 10 = -16$

$-13x + 10 = -16$

$-13x = -26$

$x = 2$

↙

$y = 3x - 2$

$y =$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

$2x - 5y = -16$

$2x - 5(3x - 2) = -16$

$2x - 15x + 10 = -16$

$-13x + 10 = -16$

$-13x = -26$

$x = 2$

$y = 3x - 2$

$y = 3(2) - 2$

Algebra I Class Worksheet #2 Unit 9 Solutions

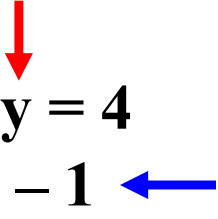Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ⟵
        $2x - 5y = -16$
            ↑

$2x - 5(3x - 2) = -16$

$2x - 15x + 10 = -16$

$-13x + 10 = -16$

$-13x = -26$

$x = 2$
   ↙
$y = 3x - 2$

$y = 3(2) - 2$

$y =$
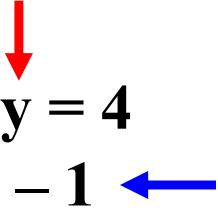
Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

$2x - 5y = -16$

↑

$2x - 5(3x - 2) = -16$

$2x - 15x + 10 = -16$

$-13x + 10 = -16$

$-13x = -26$

$x = 2$

$y = 3x - 2$

$y = 3(2) - 2$

$y = 6 - 2$

Algebra I   Class Worksheet #2   Unit 9   Solutions

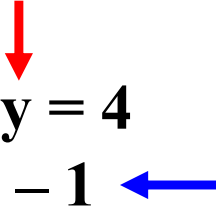Solve each of the following systems of equations using the **substitution method**.

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   $2x - 5(3x - 2) = -16$

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   $-13x + 10 = -16$

   $-13x = -26$

   $x = 2$

   ↙

   $y = 3x - 2$

   $y = 3(2) - 2$

   $y = 6 - 2$

   $y = 4$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

10. $y = 3x - 2$ ←

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$\boxed{\begin{array}{l} x = 2 \\ y = 4 \end{array}}$

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$2x - 15x + 10 = -16$

$-13x + 10 = -16$

$-13x = -26$

$x = 2$

$y = 3x - 2$

$y = 3(2) - 2$

$y = 6 - 2$

$y = 4$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$

   $y = 2x - 1$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$
        $y = 2x - 1$ ⟵

Algebra I   Class Worksheet #2   Unit 9 Solutions

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11. $2x + 3y = 4$

  $y = 2x - 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$

   $y = 2x - 1$

   $2x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

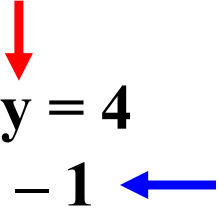Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$
         $y = 2x - 1$

         $2x + 3($

Algebra I   Class Worksheet #2   Unit 9   Solutions

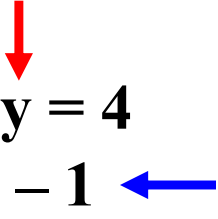Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$

$y = 2x - 1$

$2x + 3(2x - 1)$

Algebra I   Class Worksheet #2   Unit 9 Solutions
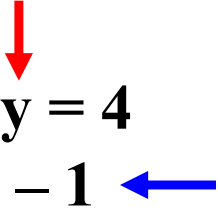
Solve each of the following systems of equations using the **substitution method**.

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$y = 2x - 1$

$2x + 3(2x - 1) = 4$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

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$y = 2x - 1$

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$2x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.
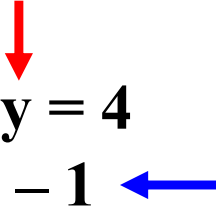
11. $2x + 3y = 4$

   $y = 2x - 1$

   $2x + 3(2x - 1) = 4$

   $2x + 6x$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$

   $y = 2x - 1$
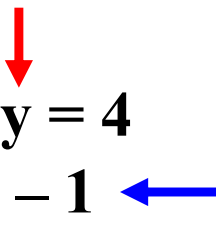
   $2x + 3(2x - 1) = 4$

   $2x + 6x - 3$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

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   $y = 2x - 1$

   $2x + 3(2x - 1) = 4$

   $2x + 6x - 3 = 4$

Algebra I   Class Worksheet #2   Unit 9 Solutions

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11. $2x + 3y = 4$
        $y = 2x - 1$

$2x + 3(2x - 1) = 4$

$2x + 6x - 3 = 4$

$8x$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$

  $y = 2x - 1$

  $2x + 3(2x - 1) = 4$

  $2x + 6x - 3 = 4$

  $8x - 3$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.
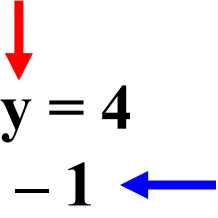
11. $2x + 3y = 4$

$y = 2x - 1$

$2x + 3(2x - 1) = 4$

$2x + 6x - 3 = 4$

$8x - 3 = 4$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

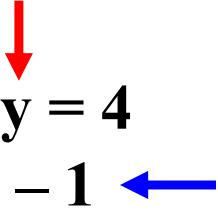11. $2x + 3y = 4$

$y = 2x - 1$

$2x + 3(2x - 1) = 4$

$2x + 6x - 3 = 4$

$8x - 3 = 4$

$8x$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$

         $y = 2x - 1$

$2x + 3(2x - 1) = 4$

$2x + 6x - 3 = 4$

$8x - 3 = 4$

$8x = 7$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$

  $y = 2x - 1$

$2x + 3(2x - 1) = 4$

$2x + 6x - 3 = 4$

$8x - 3 = 4$

$8x = 7$

$x = \dfrac{7}{8}$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

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$y = 2x - 1$

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$8x = 7$

$x = \dfrac{7}{8}$

$y = 2x - 1$

Algebra I   Class Worksheet #2   Unit 9 Solutions

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$y = 2x - 1$

Algebra I Class Worksheet #2 Unit 9 Solutions

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　　　　$y = 2x - 1$

　　$2x + 3(2x - 1) = 4$

　　$2x + 6x - 3 = 4$

　　$8x - 3 = 4$

　　$8x = 7$

　　$x = \dfrac{7}{8}$

　　$y = 2x - 1$

　　$y =$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$
       $y = 2x - 1$

$2x + 3(2x - 1) = 4$

$2x + 6x - 3 = 4$

$8x - 3 = 4$

$8x = 7$

$x = \dfrac{7}{8}$

$y = 2x - 1$

$y = 2(\dfrac{7}{8}) - 1$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$

$y = 2x - 1$

$2x + 3(2x - 1) = 4$

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$8x - 3 = 4$

$8x = 7$

$x = \dfrac{7}{8}$

$y = 2x - 1$

$y = 2(\dfrac{7}{8}) - 1$

$y =$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$

 $y = 2x - 1$

 $2x + 3(2x - 1) = 4$

 $2x + 6x - 3 = 4$

 $8x - 3 = 4$

 $8x = 7$

 $x = \dfrac{7}{8}$

 $y = 2x - 1$

 $y = 2(\dfrac{7}{8}) - 1$

 $y = \dfrac{7}{4} - \dfrac{4}{4}$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$
       $y = 2x - 1$

$2x + 3(2x - 1) = 4$

$2x + 6x - 3 = 4$

$8x - 3 = 4$

$8x = 7$

$x = \dfrac{7}{8}$

$y = 2x - 1$

$y = 2(\dfrac{7}{8}) - 1$

$y = \dfrac{7}{4} - \dfrac{4}{4}$

$y = \dfrac{3}{4}$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

11. $2x + 3y = 4$
    $y = 2x - 1$

$$x = \frac{7}{8}$$

$$y = \frac{3}{4}$$

$2x + 3(2x - 1) = 4$

$2x + 6x - 3 = 4$

$8x - 3 = 4$

$8x = 7$

$$x = \frac{7}{8}$$

$y = 2x - 1$

$$y = 2\left(\frac{7}{8}\right) - 1$$

$$y = \frac{7}{4} - \frac{4}{4}$$

$$y = \frac{3}{4}$$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

        $x = y - 2$ ←

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

   $x = y - 2$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5($

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

          $x = y - 2$

     $5(y - 2)$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.
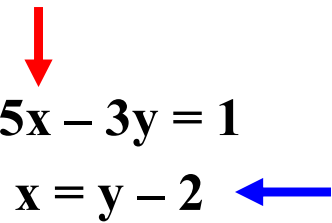
12. $5x - 3y = 1$

   $x = y - 2$

   $5(y - 2) - 3y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

          $x = y - 2$

       $5(y - 2) - 3y = 1$

          $5y$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

$5y - 10$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

$5y - 10 - 3y$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

$5y - 10 - 3y = 1$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

         $x = y - 2$

   $5(y - 2) - 3y = 1$

   $5y - 10 - 3y = 1$

   $2y$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

$5y - 10 - 3y = 1$

$2y - 10$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

$5y - 10 - 3y = 1$

$2y - 10 = 1$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

$5y - 10 - 3y = 1$

$2y - 10 = 1$

$2y$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

$5y - 10 - 3y = 1$

$2y - 10 = 1$

$2y = 11$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12.　　$5x - 3y = 1$

　　　　$x = y - 2$ ←

$5(y - 2) - 3y = 1$

$5y - 10 - 3y = 1$

$2y - 10 = 1$

$2y = 11$

$y = \dfrac{11}{2}$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12.　　$5x - 3y = 1$

　　　　$x = y - 2$

　　　$5(y - 2) - 3y = 1$

　　　$5y - 10 - 3y = 1$

　　　　$2y - 10 = 1$

　　　　　$2y = 11$

　　　　　$y = \dfrac{11}{2}$

　　　　$x = y - 2$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

   $x = y - 2$

   $5(y - 2) - 3y = 1$

   $5y - 10 - 3y = 1$

   $2y - 10 = 1$

   $2y = 11$

   $y = \dfrac{11}{2}$

   $x = y - 2$

Algebra I   Class Worksheet #2   Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

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$x = y - 2$

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$2y = 11$

$y = \dfrac{11}{2}$

$x = y - 2$

$x =$

Algebra I Class Worksheet #2 Unit 9 Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

$5y - 10 - 3y = 1$

$2y - 10 = 1$

$2y = 11$

$y = \dfrac{11}{2}$

$x = y - 2$

$x = \dfrac{11}{2} - \dfrac{4}{2}$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

12. $5x - 3y = 1$

$x = y - 2$

$5(y - 2) - 3y = 1$

$5y - 10 - 3y = 1$

$2y - 10 = 1$

$2y = 11$

$y = \dfrac{11}{2}$

$x = y - 2$

$x = \dfrac{11}{2} - \dfrac{4}{2}$

$x = \dfrac{7}{2}$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

12.
$$5x - 3y = 1$$
$$x = y - 2$$

$$x = \frac{7}{2}$$

$$y = \frac{11}{2}$$

$$5(y - 2) - 3y = 1$$
$$5y - 10 - 3y = 1$$
$$2y - 10 = 1$$
$$2y = 11$$
$$y = \frac{11}{2}$$
$$x = y - 2$$
$$x = \frac{11}{2} - \frac{4}{2}$$
$$x = \frac{7}{2}$$

Algebra I   Class Worksheet #2   Unit 9   Solutions

Solve each of the following systems of equations using the **substitution method**.

12.　　 $5x - 3y = 1$

　　 $x = y - 2$

　　 $5(y - 2) - 3y = 1$

　　 $5y - 10 - 3y = 1$

　　 $2y - 10 = 1$

　　 $2y = 11$

$$x = \frac{7}{2}$$

$$y = \frac{11}{2}$$

$x = y - 2$

$x = \frac{11}{2} - \frac{4}{2}$

$x = \frac{7}{2}$

Good luck on your homework !!