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. $4 x+3 y=11$

$$
y=2 x-3
$$

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y=2 x-3
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Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

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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. $4 x+3 y=11$

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

4x

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x - 3}$.

We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

It looks like this.

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1. $4 x+3 y=11$
$y=2 x-3 \longleftarrow$
$4 \mathrm{x}+$

Notice that the second equation says
that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.
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It looks like this.

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$\mathrm{y}=2 \mathrm{x}-3 \longleftarrow$
$4 x+3($

Notice that the second equation says
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It looks like this.

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

1. $4 x+3 y=11$
$\mathrm{y}=2 \mathrm{x}-3 \longleftarrow$
$4 \mathrm{x}+3(2 \mathrm{x}-3)$

Notice that the second equation says
that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.
We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

It looks like this.

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

1. $4 x+3 y=11$
$\mathrm{y}=2 \mathrm{x}-3 \longleftarrow$

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

Notice that the second equation says
that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.
We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

It looks like this.

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4 x+3(2 x-3)=11
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Notice that the second equation says
that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.
We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

It looks like this.
Now, just solve for x .

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$$
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4x

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

$$
4 x+6 x
$$

Notice that the second equation says
that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.
We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

It looks like this.
Now, just solve for x .

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1. $4 x+3 y=11$
$\mathrm{y}=2 \mathrm{x}-3 \longleftarrow$

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

$$
4 x+6 x-9
$$

Notice that the second equation says
that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.
We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

It looks like this.
Now, just solve for x .

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Notice that the second equation says
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$$
4 x+3(2 x-3)=11
$$

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

10x

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

It looks like this.
Now, just solve for x .

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

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

$$
10 x-9
$$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

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$$
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$$

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

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

$$
10 x-9=11
$$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x - 3}$.

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Now, just solve for x .

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$$
10 x-9=11
$$

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$$

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$$

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

$$
10 x-9=11
$$

$$
10 x=20
$$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x - 3}$.

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

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

$$
10 x-9=11
$$

$$
10 x=20
$$

$$
x=2
$$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

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Now, just solve for x .

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$\mathrm{y}=2 \mathrm{x}-3 \longleftarrow$
$4 \mathrm{x}+3(2 \mathrm{x}-3)=11$
$4 \mathrm{x}+6 \mathrm{x}-9=11$
$10 \mathrm{x}-9=11$
$10 x=20$
$\mathbf{x}=\mathbf{2}$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.
We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ 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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$$
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$$

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$$

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

$$
10 x-9=11
$$

$$
10 x=20
$$

$$
x=2
$$

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y=2 x-3
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Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

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$4 \mathrm{x}+6 \mathrm{x}-9=11$
$10 \mathrm{x}-9=11$
$10 \mathrm{x}=20$
$\mathbf{x}=\mathbf{2}$
$y=2 x-3$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

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

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

$$
10 x-9=11
$$

$$
10 x=20
$$

$$
x=2
$$

$$
y=2 x-3
$$

$$
\mathrm{y}=
$$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ in the first equation.

It looks like this.
Now, just solve for x .
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$$
y=2 x-3 \longleftarrow
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$$
4 x+3(2 x-3)=11
$$

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

$$
10 x-9=11
$$

$$
10 x=20
$$

$$
x=2
$$

$$
y=2 x-3
$$

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

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ 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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$$

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

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4 x+6 x-9=11
$$

$$
10 x-9=11
$$

$$
10 x=20
$$

$$
x=2
$$

$$
y=2 x-3
$$

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

$$
\mathbf{y}=
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$\mathrm{y}=2 \mathrm{x}-3 \longleftarrow$
$4 \mathrm{x}+3(2 \mathrm{x}-3)=11$
$4 \mathrm{x}+6 \mathrm{x}-9=11$
$10 \mathrm{x}-9=11$
$10 \mathrm{x}=20$
$\mathbf{x}=\mathbf{2}$
$\mathrm{y}=2 \mathrm{x}-3$
$y=2(2)-3$
$y=4-3$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ 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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Solve each of the following systems of equations using the substitution method.

$$
\text { 1. } \begin{gathered}
4 x+3 y=11 \\
y=2 x-3 \longleftarrow \\
4 x+3(2 x-3)=11 \\
4 x+6 x-9=11 \\
10 x-9=11 \\
10 x=20 \\
x=2 \\
y=2 x-3 \\
y=2(2)-3 \\
y=4-3 \\
y=1
\end{gathered}
$$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.

We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ 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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$$
\text { 1. } \begin{gathered}
4 x+3 y=11 \\
y=2 x-3 \longleftarrow \\
4 x+3(2 x-3)=11 \\
4 x+6 x-9=11 \\
10 x-9=11 \\
10 x=20 \\
x=2 \\
y=2 x-3 \\
y=2(2)-3 \\
y=4-3 \\
y=1
\end{gathered}
$$

Notice that the second equation says that $\mathbf{y}=\mathbf{2 x}-\mathbf{3}$.
We can substitute $\mathbf{2 x}-\mathbf{3}$ for the $\mathbf{y}$ 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.

$$
\text { 1. } \begin{array}{cl}
\mathbf{4 x}+\mathbf{3 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}-\mathbf{3} \longleftarrow \\
\mathbf{4 x}+\mathbf{3}(\mathbf{2 x}-\mathbf{3})=\mathbf{1 1} \\
\mathbf{4 x}+\mathbf{6 x}-\mathbf{9}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{1}
\end{array} \quad \begin{aligned}
& \text { Notice that the second equation says } \\
& \text { that } \mathbf{y}=\mathbf{2 x}-\mathbf{3} . \\
& \text { We can substitute } \mathbf{2 x}-\mathbf{3} \text { for the } \mathbf{y} \\
& \text { in the first equation. }
\end{aligned}
$$

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

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

$$
\begin{aligned}
& 1 . \\
& \begin{array}{l}
\mathbf{4 x + \mathbf { 3 y } = \mathbf { 1 1 }} \begin{array}{l}
\mathbf{y}=\mathbf{2 x}-\mathbf{3} \longleftarrow \\
\begin{array}{l}
\mathbf{x}=\mathbf{2} \\
\mathbf{y}=\mathbf{1}
\end{array} \\
\begin{array}{l}
\text { Ne can substitute } \mathbf{2 x}-\mathbf{3} \text { for the } \mathbf{y} \\
\text { (hat } \mathbf{y}=\mathbf{2 x}-\mathbf{3} .
\end{array}
\end{array} \begin{array}{l}
\text { Ne the second equation says }
\end{array} \\
\end{array} \\
& \mathbf{4 x}+\mathbf{3}(\mathbf{2 x}-\mathbf{3})=\mathbf{1 1} \quad \text { in the first equation. } \\
& 4 x+6 x-9=11 \quad \text { It looks like this. } \\
& 10 \mathrm{x}-\mathbf{9}=\mathbf{1 1} \quad \text { Now, just solve for } \mathrm{x} . \\
& 10 \mathrm{x}=20 \\
& \mathbf{x}=2 \\
& y=2 x-3 \\
& y=2(2)-3 \\
& y=4-3 \\
& y=1
\end{aligned}
$$

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

Solve each of the following systems of equations using the substitution method.
2. $2 x+5 y=11$

$$
y=2 x+7
$$

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

Solve each of the following systems of equations using the substitution method.
2. $2 x+5 y=11$

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

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

Solve each of the following systems of equations using the substitution method.
2. $2 x+5 y=11$
$\mathrm{y}=2 \mathrm{x}+7 \longleftarrow$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{aligned}
& \downarrow \\
& 2 x+5 y=11 \\
& y=2 x+7 \longleftarrow
\end{aligned}
$$

2x

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

Solve each of the following systems of equations using the substitution method.
2. $2 x+5 y=11$
$y=2 x+7 \longleftarrow$
$2 x+5($

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{gathered}
\downarrow \\
2 x+5 y=11 \\
y=2 x+7 \longleftarrow \\
2 x+5(2 x+7)
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{gathered}
\downarrow \\
2 x+5 y=11 \\
y=2 x+7 \\
2 x+5(2 x+7)=11
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
2. $2 x+5 y=11$
$y=2 x+7 \longleftarrow$
$2 x+5(2 x+7)=11$
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. $2 x+5 y=11$
$y=2 x+7 \longleftarrow$
$2 x+5(2 x+7)=11$
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. $2 x+5 y=11$
$y=2 x+7 \longleftarrow$
$2 \mathrm{x}+5(2 \mathrm{x}+7)=11$
$2 x$
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. $2 x+5 y=11$
$y=2 x+7 \longleftarrow$
$2 \mathrm{x}+5(2 \mathrm{x}+7)=11$
$2 \mathrm{x}+10 \mathrm{x}$
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. $2 x+5 y=11$
$y=2 x+7 \longleftarrow$
$2 \mathrm{x}+5(2 \mathrm{x}+7)=11$
$2 x+10 x+35$
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.

$$
\begin{aligned}
& \begin{array}{l}
\downarrow \\
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} \longleftarrow \\
\mathbf{2 x}+\mathbf{5 ( 2 x}+\mathbf{7})=\mathbf{1 1} \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} \quad
\end{array} \quad \text { Make sure you understand this step. }
\end{aligned}
$$

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$$
\begin{aligned}
& \begin{array}{l}
\downarrow \\
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} \longleftarrow \\
\mathbf{2 x}+\mathbf{5 ( 2 x}+7)=\mathbf{1 1} \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} \quad
\end{array} \quad \text { Make sure you understand this step. } \\
& \text { Now just solve for } x .
\end{aligned}
$$

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Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{array}{cl}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} \longleftarrow & \\
\mathbf{2 x}+\mathbf{5 ( 2 x}+\mathbf{7})=\mathbf{1 1} & \quad \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } x . \\
\mathbf{1 2 x}+\mathbf{3 5} &
\end{array}
$$

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Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{aligned}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} & \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} \longleftarrow & \\
\mathbf{2 x}+\mathbf{5 ( 2 x}+\mathbf{7})=\mathbf{1 1} & \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } x . \\
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\end{aligned}
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Solve each of the following systems of equations using the substitution method.
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\begin{array}{cl}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} \longleftarrow & \\
\mathbf{2 x}+\mathbf{5 ( 2 x}+\mathbf{7})=\mathbf{1 1} \quad & \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } x . \\
\mathbf{1 2 x}+\mathbf{3 5}=\mathbf{1 1} & \\
\mathbf{1 2 x}
\end{array}
$$

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\begin{array}{cl}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} \longleftarrow & \\
\mathbf{2 x}+\mathbf{5 ( 2 x}+\mathbf{7})=\mathbf{1 1} & \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } x . \\
\mathbf{1 2 x}+\mathbf{3 5}=\mathbf{1 1} & \\
\mathbf{1 2 x}=\mathbf{- 2 4} &
\end{array}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{array}{cl}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}+7 & \\
\mathbf{2 x}+\mathbf{5 ( 2 x}+\mathbf{7})=\mathbf{1 1} & \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } x . \\
\mathbf{1 2 x}+\mathbf{3 5}=\mathbf{1 1} \\
\mathbf{1 2 x}=\mathbf{- 2 4} & \\
\mathbf{x}=\mathbf{- 2} &
\end{array}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{array}{cl}
2 x+5 y=11 \\
y=\mathbf{2 x}+\mathbf{7} \longleftarrow & \\
2 x+\mathbf{5 ( 2 x}+\mathbf{7})=\mathbf{1 1} & \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } x . \\
\mathbf{1 2 x}+\mathbf{3 5}=\mathbf{1 1} \\
\mathbf{1 2 x}=\mathbf{- 2 4} & \\
\mathbf{x}=\mathbf{- 2} & \text { Now, substitute again to find } y .
\end{array}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{array}{cl}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} \longleftarrow & \\
\mathbf{2 x}+\mathbf{5 ( 2 x}+\mathbf{7})=\mathbf{1 1} & \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } x . \\
\mathbf{1 2 x}+\mathbf{3 5}=\mathbf{1 1} \\
\mathbf{1 2 x}=\mathbf{- 2 4} & \\
\mathbf{x}=\mathbf{- 2} & \text { Now, substitute again to find } y . \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} &
\end{array}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{array}{cl}
2 x+5 y=11 \\
y=2 x+7 \longleftarrow & \\
2 x+5(2 x+7)=\mathbf{1 1} & \text { Make sure you understand this step. } \\
2 x+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } x . \\
\mathbf{1 2 x}+\mathbf{3 5}=\mathbf{1 1} \\
\mathbf{1 2 x}=\mathbf{- 2 4} & \\
\mathbf{x}=\mathbf{- 2} & \text { Now, substitute again to find } y . \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} &
\end{array}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{array}{cl}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}+7 \longleftarrow & \\
\mathbf{2 x}+\mathbf{5}(\mathbf{2 x}+\mathbf{7})=\mathbf{1 1} & \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } \mathrm{x} . \\
\mathbf{1 2 x}+\mathbf{3 5}=\mathbf{1 1} \\
\mathbf{1 2 x}=\mathbf{- 2 4} & \\
\mathbf{x}=\mathbf{- 2} & \text { Now, substitute again to find } \mathrm{y} . \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} & \\
\mathbf{y}= &
\end{array}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{array}{cl}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} & \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} \longleftarrow & \\
2 x+\mathbf{5}(\mathbf{2 x}+\mathbf{7})=\mathbf{1 1} & \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } \mathrm{x} . \\
\mathbf{1 2 x}+\mathbf{3 5}=\mathbf{1 1} & \\
\mathbf{1 2 x}=\mathbf{- 2 4} & \\
\mathbf{x}=\mathbf{- 2} & \text { Now, substitute again to find } \mathrm{y} . \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} & \\
\mathbf{y}=\mathbf{2 ( - 2 ) + 7} &
\end{array}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{aligned}
& 2 \mathrm{x}+5 \mathrm{y}=11 \\
& y=2 x+7 \longleftarrow \\
& 2 \mathrm{x}+5(2 \mathrm{x}+7)=11 \\
& 2 \mathrm{x}+10 \mathrm{x}+35=11 \\
& 12 \mathrm{x}+35=11 \\
& 12 x=-24 \\
& \mathrm{x}=-2 \\
& y=2 x+7 \\
& y=2(-2)+7 \\
& y=-4+7 \\
& \text { Make sure you understand this step. } \\
& \text { Now just solve for } \mathrm{x} \text {. } \\
& \text { Now, substitute again to find } y \text {. }
\end{aligned}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{array}{cl}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} \longleftarrow & \\
\mathbf{2 x}+\mathbf{5}(\mathbf{2 x}+\mathbf{7})=\mathbf{1 1} \quad & \text { Make sure you understand this step. } \\
\mathbf{2 x}+\mathbf{1 0 x}+\mathbf{3 5}=\mathbf{1 1} & \text { Now just solve for } \mathrm{x} . \\
\mathbf{1 2 x}+\mathbf{3 5}=\mathbf{1 1} \\
\mathbf{1 2 x}=\mathbf{- 2 4} & \\
\mathbf{x}=\mathbf{- 2} & \\
\mathbf{y}=\mathbf{2 x}+\mathbf{7} & \\
\mathbf{y}=\mathbf{2 ( - 2 ) + 7} & \\
\mathbf{y}=\mathbf{- 4}+\mathbf{7} & \\
\mathbf{y}=\mathbf{3} &
\end{array}
$$

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

Solve each of the following systems of equations using the substitution method.
2.

$$
\begin{aligned}
& \begin{array}{l|l}
\downarrow \\
\mathbf{2 x}+\mathbf{5}=11 \\
\mathbf{y}=2 \mathrm{x}+7 \longleftarrow & \begin{array}{l}
\mathbf{x}=-2 \\
\mathrm{y}=3
\end{array} \\
\end{array} \\
& \mathbf{2 x}+\mathbf{5}(\mathbf{2 x}+7)=\mathbf{1 1} \quad \text { Make sure you understand this step. } \\
& 2 \mathrm{x}+10 \mathrm{x}+35=11 \\
& 12 \mathrm{x}+35=11 \\
& 12 x=-24 \\
& x=-2 \\
& y=2 x+7 \\
& y=2(-2)+7 \\
& y=-4+7 \\
& y=3
\end{aligned}
$$

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

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

$$
\begin{array}{ll}
\text { 3. } & 5 x-3 y=2 \\
x=y-2
\end{array}
$$

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

Solve each of the following systems of equations using the substitution method.
3. $5 x-3 y=2$
$x=y-2$

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

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

$$
\text { 3. } \begin{aligned}
& 5 x-3 y=2 \\
& x=y-2
\end{aligned}
$$

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

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


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. $5 x-3 y=2$ <br> $x=y-2$

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.

$$
\text { 3. } \begin{aligned}
& 5 x-3 y=2 \\
& x=y-2 \\
& \\
& 5(y-2)
\end{aligned}
$$

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.

$$
\text { 3. } \begin{gathered}
5 x-3 y=2 \\
x=y-2 \\
\\
5(y-2)-3 y
\end{gathered}
$$

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.

$$
\text { 3. } \begin{gathered}
5 x-3 y=2 \\
x=y-2 \\
5(y-2)-3 y=2
\end{gathered}
$$

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.

$$
\text { 3. } \begin{gathered}
5 x-3 y=2 \\
x=y-2 \\
5(y-2)-3 y=2
\end{gathered}
$$

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.

$$
\text { 3. } \begin{gathered}
5 x-3 y=2 \\
x=y-2 \\
5(y-2)-3 y=2
\end{gathered}
$$

This time we have to substitute for x .

$$
5 y
$$

Now solve for y .

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

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

$$
\text { 3. } \begin{gathered}
5 x-3 y=2 \\
x=y-2 \\
5(y-2)-3 y=2 \\
5 y-10
\end{gathered}
$$

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.

$$
\text { 3. } \begin{gathered}
5 x-3 y=2 \\
x=y-2 \leftarrow \\
5(y-2)-3 y=2 \\
5 y-10-3 y
\end{gathered}
$$

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.

$$
\text { 3. } \begin{gathered}
5 x-3 y=2 \\
x=y-2 \\
5(y-2)-3 y=2 \\
5 y-10-3 y=2
\end{gathered}
$$

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.

$$
\text { 3. } \begin{gathered}
5 x-3 y=2 \\
x=y-2 \\
5(y-2)-3 y=2 \\
5 y-10-3 y=2
\end{gathered}
$$

This time we have to substitute for x .

$$
2 y
$$

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. $5 x-3 y=2$

$$
x=y-2
$$

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

This time we have to substitute for x .

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

$$
2 y-10
$$

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. $5 x-3 y=2$

$$
x=y-2
$$

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

This time we have to substitute for x .

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

$$
2 y-10=2
$$

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. $5 x-3 y=2$

$$
x=y-2
$$

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

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

$$
2 y-10=2
$$

$$
\text { Now solve for } \mathrm{y} \text {. }
$$

$$
2 \mathbf{y}
$$

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

Solve each of the following systems of equations using the substitution method.
3.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=2 \\
x=y-2 \\
5(y-2)-3 y=2 \\
5 y-10-3 y=2 \\
2 y-10=2 \\
2 y=12
\end{gathered}
$$

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.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=2 \\
x=y-2 \\
5(y-2)-3 y=2 \\
5 y-10-3 y=2 \\
2 y-10=2 \\
2 y=12 \\
y=6
\end{gathered}
$$

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. $5 x-3 y=2$

$$
x=y-2
$$

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

This time we have to substitute for x .

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

$$
2 y-10=2
$$

Now solve for $y$.

$$
2 y=12
$$

Finally, substitute again to find x .

$$
y=6
$$

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

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

$$
\begin{array}{ll}
\text { 3. } \begin{array}{c}
\mathbf{5 x}-\mathbf{3 y}=\mathbf{2} \\
\mathbf{x}=\mathbf{y}-\mathbf{2} \\
\mathbf{5}(\mathbf{y}-\mathbf{2})-\mathbf{3 y}=\mathbf{2} \\
\mathbf{5 y}-\mathbf{1 0}-\mathbf{3 y}=\mathbf{2} \\
\mathbf{2 y}-\mathbf{1 0}=\mathbf{2} \\
\mathbf{2 y}=\mathbf{1 2} \\
\mathbf{y}=\mathbf{6}
\end{array} & \\
\mathbf{x}=\mathbf{y}-\mathbf{2} & \text { This time we have to substitute for } \mathrm{x} . \\
& \\
& \text { Finally, substitute again to find } \mathrm{x} . \\
\end{array}
$$

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

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

$$
\begin{aligned}
& \text { 3. } \begin{array}{c}
\mathbf{5 x}-\mathbf{3 y}=\mathbf{2} \\
\mathbf{x}=\mathbf{y}-\mathbf{2} \longleftarrow \\
\mathbf{5 ( y - 2 ) - \mathbf { 3 y } = \mathbf { 2 }} \\
\mathbf{5 y}-\mathbf{1 0}-\mathbf{3 y}=\mathbf{2} \\
\mathbf{2 y}-\mathbf{1 0}=\mathbf{2} \\
\mathbf{2 y}=\mathbf{1 2} \\
\mathbf{y}=\mathbf{6} \\
\downarrow \\
\mathbf{x}=\mathbf{y}-\mathbf{2}
\end{array} \quad \text { This time we have to substitute for } \mathrm{x} . \\
&
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 3. } 5 x-3 y=2 \\
& x=y-2 \\
& 5(y-2)-3 y=2 \\
& 5 y-10-3 y=2 \\
& 2 y-10=2 \\
& 2 \mathrm{y}=12 \\
& y=6 \\
& x=y-2 \\
& \mathbf{x}= \\
& \text { This time we have to substitute for } \mathrm{x} \text {. } \\
& \text { Now solve for } y \text {. } \\
& \text { Finally, substitute again to find } \mathrm{x} \text {. }
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 3. } \begin{array}{c}
\mathbf{5 x}-\mathbf{3 y}=\mathbf{2} \\
\mathbf{x}=\mathbf{y}-\mathbf{2} \longleftarrow \\
\mathbf{5 ( y - 2 ) - 3 y = 2} \\
\mathbf{5 y}-\mathbf{1 0}-\mathbf{3 y}=\mathbf{2} \\
\mathbf{2 y}-\mathbf{1 0}=\mathbf{2} \\
\mathbf{2 y}=\mathbf{1 2} \\
\mathbf{y}=\mathbf{6} \\
\downarrow \\
\mathbf{x}=\mathbf{y}-\mathbf{2} \\
\mathbf{x}=\mathbf{6}-\mathbf{2}
\end{array} \quad \text { This time we have to substitute for } \mathrm{x} . \\
&
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 3. } \begin{array}{cl}
\mathbf{5 x}-\mathbf{3 y}=\mathbf{2} & \\
\mathbf{x}=\mathbf{y}-\mathbf{2} & \\
\mathbf{5 ( y - 2 ) - \mathbf { 3 y } = \mathbf { 2 }} & \\
\mathbf{5 y - 1 0 - 3 y = 2} & \text { This time we have to substitute for } x . \\
\mathbf{2 y}-\mathbf{1 0}=\mathbf{2} & \\
\mathbf{2 y}=\mathbf{1 2} & \text { Now solve for } y . \\
\mathbf{y}=\mathbf{6} & \\
\mathbf{x}=\mathbf{y}-\mathbf{2} & \text { Finally, substitute again to find } x . \\
\mathbf{x}=\mathbf{6}-\mathbf{2} & \\
\mathbf{x}=\mathbf{4} &
\end{array}
\end{aligned}
$$

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

Solve each of the following systems of equations using the substitution method.
3.

$$
\begin{aligned}
& \begin{array}{l}
\begin{array}{l}
\downarrow \\
5 x-3 y=2 \\
x=y-2 \\
y
\end{array} \quad \begin{array}{l}
x=4 \\
y=6
\end{array}
\end{array} \\
& 5(y-2)-3 y=2 \\
& 5 y-10-3 y=2 \\
& 2 y-10=2 \\
& 2 \mathrm{y}=12 \\
& y=6 \\
& x=y-2 \\
& x=6-2 \\
& x=4
\end{aligned}
$$

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.
4. $2 x+5 y=3$

$$
x=3 y-4
$$

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

Solve each of the following systems of equations using the substitution method.
4. $2 x+5 y=3$

$$
x=3 y-4
$$

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

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

$$
\text { 4. } \quad \begin{array}{r}
2 x+5 y=3 \\
x=3 y-4
\end{array}
$$

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

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

$$
\text { 4. } \begin{array}{r}
2 x+5 y=3 \\
x=3 y-4
\end{array}
$$

$2($

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

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

$$
\text { 4. } \begin{array}{r}
2 x+5 y=3 \\
x=3 y-4 \\
2(3 y-4)
\end{array}
$$

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

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

$$
\text { 4. } \begin{array}{r}
2 x+5 y=3 \\
x=3 y-4 \\
2(3 y-4)+5 y
\end{array}
$$

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

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

$$
\text { 4. } \begin{gathered}
2 x+5 y=3 \\
x=3 y-4 \\
2(3 y-4)+5 y=3
\end{gathered}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
2 x+5 y=3 \\
x=3 y-4 \\
2(3 y-4)+5 y=3
\end{array} \quad \text { Make sure you understand this step. }
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
2 x+5 y=3 \\
x=3 y-4 \\
2(3 y-4)+5 y=3
\end{array} \quad \begin{array}{l}
\text { Make sure you understand this step. } \\
\\
\quad \begin{array}{l}
\text { Now just solve for } y .
\end{array}
\end{array} .
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
2 x+5 y=3 \\
x=3 y-4 \\
\mathbf{x}(\mathbf{3 y}-4)+5 y=3 \\
\mathbf{6 y}
\end{array} \\
& \begin{array}{l}
\text { Make sure you understand this step. } \\
\text { Now just solve for } y .
\end{array}
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
2 x+5 y=3 \\
x=3 y-4 \\
\mathbf{2 ( 3 y}-4)+5 y=3 \\
\mathbf{6 y}-\mathbf{8}
\end{array} \\
& \begin{array}{l}
\text { Make sure you understand this step. } \\
\text { Now just solve for } y .
\end{array}
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } 2 x+5 y=3 \\
& x=3 y-4 \\
& 2(3 y-4)+5 y=3 \quad \text { Make sure you understand this step. } \\
& 6 y-8+5 y \\
& \text { Now just solve for } \mathrm{y} \text {. }
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } 2 x+5 y=3 \\
& x=3 y-4 \\
& 2(3 y-4)+5 y=3 \quad \text { Make sure you understand this step. } \\
& 6 y-8+5 y=3 \quad \text { Now just solve for } y \text {. }
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \mathbf{2 x}+\mathbf{5 y}=\mathbf{3} \\
& \mathbf{x}=\mathbf{3 y}-\mathbf{4} \longleftarrow \\
& \begin{array}{c}
\mathbf{2 ( 3 y}-\mathbf{4})+\mathbf{5 y}=\mathbf{3} \\
\mathbf{6 y}-\mathbf{8}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{1 1 y}
\end{array} \quad \text { Make sure you understand this step. }
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } 2 x+5 y=3 \\
& \mathbf{x}=\mathbf{3 y}-\mathbf{4} \longleftarrow \\
& \begin{array}{cl}
\mathbf{2 ( 3 y}-\mathbf{4})+5 y=\mathbf{3} \\
\mathbf{6 y}-\mathbf{8}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{1 1 y}-\mathbf{8}
\end{array} \quad \text { Make sure you understand this step. }
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } 2 x+5 y=3 \\
& \mathbf{x}=\mathbf{3 y}-\mathbf{4} \longleftarrow \\
& \begin{array}{c}
\mathbf{2 ( 3 y}-\mathbf{4})+5 \mathbf{y}=\mathbf{3} \\
\mathbf{6 y}-\mathbf{8}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{1 1 y}-\mathbf{8}=\mathbf{3}
\end{array} \quad \text { Make sure you understand this step. } \\
&
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
\mathbf{2 x}+5 y=3 \\
\mathbf{x}=\mathbf{3 y}-\mathbf{4} \longleftarrow \\
\mathbf{2 ( 3 y - 4 ) + 5 y = 3} \\
\mathbf{6 y}-\mathbf{8}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{1 1 y}-\mathbf{8}=\mathbf{3} \\
\mathbf{1 1 y}
\end{array} \\
& \begin{array}{l}
\text { Make sure you understand this step. } \\
\text { Now just solve for } y .
\end{array} \\
&
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{x}=\mathbf{3 y}-\mathbf{4} \longleftarrow \\
\begin{array}{c}
\mathbf{2 ( 3 y - 4 ) + 5 y = 3} \\
\mathbf{6 y}-\mathbf{8}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{1 1 y}-\mathbf{8}=\mathbf{3} \\
\mathbf{1 1 y}=\mathbf{1 1}
\end{array} \\
\begin{array}{l}
\text { Make sure you understand this step. } \\
\text { Now just solve for } y .
\end{array} \\
\hline
\end{array}
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
2 x+5 y=3 \\
x=3 y-4 \\
2(\mathbf{3 y}-4)+5 y=3 \\
\mathbf{6 y}-\mathbf{8}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{1 1 y}-\mathbf{8}=\mathbf{3} \\
\mathbf{1 1 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{1}
\end{array} \\
& \begin{array}{l}
\text { Make sure you understand this step. } \\
\text { Now just solve for } y .
\end{array} \\
&
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } 2 x+5 y=3 \\
& x=3 y-4 \\
& 2(3 y-4)+5 y=3 \quad \text { Make sure you understand this step. } \\
& 6 y-8+5 y=3 \quad \text { Now just solve for } y \text {. } \\
& 11 y-8=3 \\
& 11 y=11 \\
& y=1 \\
& \text { Make sure you understand this step. } \\
& \text { Now just solve for } \mathrm{y} \text {. } \\
& \text { Substitute again to find } \mathrm{x} \text {. }
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{x}=\mathbf{3 y}-\mathbf{4} \longleftarrow \\
\mathbf{2 ( \mathbf { 3 y } - \mathbf { 4 } ) + \mathbf { 5 y } = \mathbf { 3 }} \\
\mathbf{6 y - \mathbf { 8 } + \mathbf { 5 y } = \mathbf { 3 }} \\
\mathbf{1 1 y}-\mathbf{8}=\mathbf{3} \\
\mathbf{1 1 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{1} \\
\mathbf{x}=\mathbf{3 y}-\mathbf{4}
\end{array} \quad \text { Make sure you understand this step. } \\
& \qquad \begin{array}{l}
\text { Now just solve for } \mathrm{y} . \\
\end{array}
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{x}=\mathbf{3 y}-\mathbf{4} \longleftarrow \\
\mathbf{2 ( \mathbf { 3 y } - \mathbf { 4 } ) + \mathbf { 5 y } = \mathbf { 3 }} \\
\mathbf{6 y - \mathbf { 8 } + \mathbf { 5 y } = \mathbf { 3 }} \\
\mathbf{1 1 y}-\mathbf{8}=\mathbf{3} \\
\mathbf{1 1 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{1} \\
\mathbf{x}=\mathbf{3 y - 4}
\end{array} \\
& \begin{array}{l}
\text { Make sure you understand this step. } \\
\text { Now just solve for } \mathrm{y}
\end{array} \\
&
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
\mathbf{2 x}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{x}=\mathbf{3 y}-\mathbf{4} \longleftarrow \\
\mathbf{2 ( 3 y - 4 ) + 5 y = 3} \\
\mathbf{6 y}-\mathbf{8}+\mathbf{5 y}=\mathbf{3} \\
\mathbf{1 1 y}-\mathbf{8}=\mathbf{3} \\
\mathbf{1 1 y}=\mathbf{1 1} \\
\mathbf{y}=\mathbf{1} \\
\mathbf{x}=\mathbf{3 y - 4} \\
\mathbf{x}=
\end{array} \quad \text { Nake sure you understand this step. } \\
& \qquad \begin{array}{l}
\text { Now just solve for } \mathrm{y} . \\
\end{array}
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } 2 x+5 y=3 \\
& x=3 y-4 \\
& 2(3 y-4)+5 y=3 \quad \text { Make sure you understand this step. } \\
& 6 y-8+5 y=3 \quad \text { Now just solve for } y \text {. } \\
& 11 y-8=3 \\
& 11 y=11 \\
& y=1 \\
& x=3 y-4 \\
& x=3(1)-4
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } 2 x+5 y=3 \\
& x=3 y-4 \\
& 2(3 y-4)+5 y=3 \quad \text { Make sure you understand this step. } \\
& 6 y-8+5 y=3 \quad \text { Now just solve for } y \text {. } \\
& 11 y-8=3 \\
& 11 y=11 \\
& y=1 \\
& x=3 y-4 \\
& x=3(1)-4 \\
& x=3-4
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } 2 x+5 y=3 \\
& x=3 y-4 \\
& 2(3 y-4)+5 y=3 \quad \text { Make sure you understand this step. } \\
& 6 y-8+5 y=3 \quad \text { Now just solve for } y \text {. } \\
& 11 y-8=3 \\
& 11 y=11 \\
& y=1 \\
& x=3 y-4 \\
& x=3(1)-4 \\
& x=3-4 \\
& x=-1
\end{aligned}
$$

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

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

$$
\begin{aligned}
& \text { 4. } \begin{array}{c}
\downarrow \\
2 x+5 y=3 \\
x=3 y-4
\end{array} \leftarrow \begin{array}{c}
x=-1 \\
y=1
\end{array} \\
& 2(3 y-4)+5 y=3 \quad \text { Make sure you understand this step. } \\
& \mathbf{6 y}-\mathbf{8}+\mathbf{5 y}=\mathbf{3} \quad \text { Now just solve for } \mathrm{y} \text {. } \\
& 11 y-8=3 \\
& 11 y=11 \\
& y=1 \\
& x=3 y-4 \\
& x=3(1)-4 \\
& \mathrm{x}=3-4 \\
& x=-1
\end{aligned}
$$

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

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

$$
\text { 5. } \quad \begin{gathered}
y=x-2 \\
2 x+3 y=19
\end{gathered}
$$

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

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

$$
\text { 5. } \quad \begin{gathered}
y=x-2 \\
2 x+3 y=19
\end{gathered}
$$

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

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


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

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


2x

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

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


$$
2 x+3(
$$

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

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


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

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
5. $y=x-2 \longleftarrow$
$2 x+3 y=19$


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

2x

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

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

$$
\begin{gathered}
\text { 5. } \begin{array}{c}
y=x-2 \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x
\end{array}
\end{gathered}
$$

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

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

$$
\begin{aligned}
& \text { 5. } y=x-2 \longleftarrow \\
& 2 x+3 y=19 \\
& \uparrow \\
& 2 x+3(x-2)=19 \\
& 2 x+3 x-6
\end{aligned}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \longleftarrow 5 \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \longleftarrow 5 \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19
\end{gathered}
$$

$$
5 x
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19 \\
5 x=25
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19 \\
5 x=25 \\
x=5
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19 \\
5 x=25 \\
x=5 \\
y=x-2
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19 \\
5 x=25 \\
x=5 \\
y=x-2
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19 \\
5 x=25 \\
x=5 \\
y=x-2 \\
y=
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19 \\
5 x=25 \\
x=5 \\
y=x-2 \\
y=5-2
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19 \\
5 x=25 \\
x=5 \\
y=x-2 \\
y=5-2 \\
y=3
\end{gathered}
$$

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

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

$$
\text { 5. } \begin{gathered}
y=x-2 \longleftarrow \\
2 x+3 y=19 \\
2 x+3(x-2)=19 \\
2 x+3 x-6=19 \\
5 x-6=19 \\
5 x=25 \\
y=3
\end{gathered} \quad \begin{aligned}
& x=5 \\
& x=5 \\
& y=x-2 \\
& y=5-2 \\
& y=3
\end{aligned}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad \mathrm{y}=3 \mathrm{x}+1$
$2 x+y=-9$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$
$2 x+y=-9$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$
$2 x+y=-9$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$
$2 x+y=-9$
$\uparrow$
2x

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9
\end{gathered}
$$

5x

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

Solve each of the following systems of equations using the substitution method.
6. $\quad \mathrm{y}=3 \mathrm{x}+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad \mathrm{y}=3 \mathrm{x}+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10 \\
x=-2
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad \mathrm{y}=3 \mathrm{x}+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10 \\
x=-2 \\
y=3 x+1
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad \mathrm{y}=3 \mathrm{x}+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10 \\
x=-2 \\
y=3 x+1
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad \mathrm{y}=3 \mathrm{x}+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10 \\
x=-2 \\
y=3 x+1 \\
y=
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad \mathrm{y}=3 \mathrm{x}+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10 \\
x=-2 \\
y=3 x+1 \\
y=3(-2)+1
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad y=3 x+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10 \\
x=-2 \\
y=3 x+1 \\
y=3(-2)+1 \\
y=
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad \mathrm{y}=3 \mathrm{x}+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10 \\
x=-2 \\
y=3 x+1 \\
y=3(-2)+1 \\
y=-6+1
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6. $\quad \mathrm{y}=3 \mathrm{x}+1 \longleftarrow$

$$
\begin{gathered}
2 x+y=-9 \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10 \\
x=-2 \\
y=3 x+1 \\
y=3(-2)+1 \\
y=-6+1 \\
y=-5
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
6.

$$
\begin{gathered}
y=3 x+1 \longleftarrow \begin{array}{l}
x=-2 \\
2 x+y=-9 \\
y=-5
\end{array} \\
2 x+(3 x+1)=-9 \\
5 x+1=-9 \\
5 x=-10 \\
x=-2 \\
y=3 x+1 \\
y=3(-2)+1 \\
y=-6+1 \\
y=-5
\end{gathered}
$$

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

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

$$
\text { 7. } \quad \begin{gathered}
x=4 y+1 \\
4 x-3 y=-9
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{aligned}
x=4 y & +1 \\
4 x & -3 y=-9
\end{aligned}
$$

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

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

$$
\text { 7. } \quad \begin{gathered}
x=4 y+1 \\
4 x-3 y=-9 \\
\uparrow
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
7. $\quad x=4 y+1 \longleftarrow$
$4 x-3 y=-9$
$\uparrow$
4(

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
\uparrow \\
4(4 y+1)
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
\uparrow \\
4(4 y+1)-3 y
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
\uparrow \\
4(4 y+1)-3 y=-9 \\
16 y
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
\uparrow \\
4(4 y+1)-3 y=-9 \\
16 y+4
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
\uparrow \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
\uparrow \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
\uparrow \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9
\end{gathered}
$$

13y

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9
\end{gathered}
$$

13y

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13 \\
y=-1
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13 \\
y=-1 \\
x=4 y+1
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13 \\
y=-1 \\
x=4 y+1
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13 \\
y=-1 \\
x=4 y+1 \\
x=
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13 \\
y=-1 \\
x=4 y+1 \\
x=4(-1)+1
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13 \\
y=-1 \\
x=4 y+1 \\
x=4(-1)+1 \\
x=
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13 \\
y=-1 \\
x=4 y+1 \\
x=4(-1)+1 \\
x=-4+1
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13 \\
y=-1 \\
x=4 y+1 \\
x=4(-1)+1 \\
x=-4+1 \\
x=-3
\end{gathered}
$$

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

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

$$
\text { 7. } \begin{gathered}
x=4 y+1 \longleftarrow \\
4 x-3 y=-9 \\
4 \\
4(4 y+1)-3 y=-9 \\
16 y+4-3 y=-9 \\
13 y+4=-9 \\
13 y=-13 \\
y=-1 \\
x=4 y+1 \\
x=4(-1)+1 \\
x=-4+1 \\
x=-3
\end{gathered}
$$

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

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

$$
\text { 8. } \quad \begin{gathered}
x=2 y-5 \\
3 x+4 y=25
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$
$3 x+4 y=25$
$\uparrow$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$
$3 x+4 y=25$

$3($

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


$3(2 y-5)$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$

$$
\uparrow
$$

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

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


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

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


$3(2 y-5)+4 y=25$
6y

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


$3(2 y-5)+4 y=25$
$6 y-15$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


$3(2 y-5)+4 y=25$
$6 y-15+4 y$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


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

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

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


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

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

10y

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$

$$
\uparrow
$$

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

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

$$
10 y-15
$$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


$3(2 y-5)+4 y=25$
$6 y-15+4 y=25$

$$
10 y-15=25
$$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


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

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

$$
10 y-15=25
$$

10y

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


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

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

$$
10 y-15=25
$$

$$
10 y=40
$$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
3 x+4 y=25
$$


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

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

$$
10 y-15=25
$$

$$
10 y=40
$$

$$
y=4
$$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
\begin{gathered}
3 x+4 y=25 \\
4(2 y-5)+4 y=25 \\
6 y-15+4 y=25 \\
10 y-15=25 \\
10 y=40 \\
y=4 \\
x=2 y-5
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
8. $\quad x=2 y-5 \longleftarrow$

$$
\begin{gathered}
3 x+4 y=25 \\
3(2 y-5)+4 y=25 \\
6 y-15+4 y=25 \\
10 y-15=25 \\
10 y=40 \\
y=4 \\
x=2 y-5
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
8.

$$
\begin{gathered}
x=2 y-5 \\
3 x+4 y=25 \\
3(2 y-5)+4 y=25 \\
6 y-15+4 y=25 \\
10 y-15=25 \\
10 y=40 \\
y=4 \\
x=2 y-5 \\
x=
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
8.

$$
\begin{gathered}
x=2 y-5 \longleftarrow \\
3 x+4 y=25 \\
3(2 y-5)+4 y=25 \\
6 y-15+4 y=25 \\
10 y-15=25 \\
10 y=40 \\
y=4 \\
x=2 y-5 \\
x=2(4)-5
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
8.

$$
\begin{gathered}
x=2 y-5 \\
3 x+4 y=25 \\
3(2 y-5)+4 y=25 \\
6 y-15+4 y=25 \\
10 y-15=25 \\
10 y=40 \\
y=4 \\
x=2 y-5 \\
x=2(4)-5 \\
x=
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
8.

$$
\begin{gathered}
x=2 y-5 \\
3 x+4 y=25 \\
3(2 y-5)+4 y=25 \\
6 y-15+4 y=25 \\
10 y-15=25 \\
10 y=40 \\
y=4 \\
x=2 y-5 \\
x=2(4)-5 \\
x=8-5
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
8.

$$
\begin{gathered}
x=2 y-5 \\
3 x+4 y=25 \\
3(2 y-5)+4 y=25 \\
6 y-15+4 y=25 \\
10 y-15=25 \\
10 y=40 \\
y=4 \\
x=2 y-5 \\
x=2(4)-5 \\
x=8-5 \\
x=3
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
8.

$$
\begin{gathered}
x=2 y-5 \longleftarrow \\
3 x+4 y=25 \\
4 \\
3(2 y-5)+4 y=25 \\
6 y-15+4 y=25 \\
10 y-15=25 \\
10 y=40 \\
y=4 \\
\mathbf{y} \\
x=2 y-5 \\
x=2(4)-5 \\
x=8-5 \\
x=3
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1 \longleftarrow$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1 \longleftarrow$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1 \longleftarrow$
4x

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

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

> 9. $\quad 4 x-3 y=-9$
> $y=2 x+1 \longleftarrow$

$$
4 x-3(
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \\
4 x-3(2 x+1)
\end{gathered}
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \longleftarrow \\
4 x-3(2 x+1)=-9
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1 \longleftarrow$

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

$4 x$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1 \longleftarrow$
$4 x-3(2 x+1)=-9$
4x

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1 \longleftarrow$
$4 \mathrm{x}-3(2 \mathrm{x}+1)=-9$
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. $4 x-3 y=-9$
$y=2 x+1 \longleftarrow$
$4 x-3(2 x+1)=-9$
$4 x-6 x$
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. $4 x-3 y=-9$
$y=2 x+1 \longleftarrow$

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

$$
4 x-6 x-3
$$

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. $4 x-3 y=-9$
$y=2 x+1 \longleftarrow$
$4 x-3(2 x+1)=-9$
$4 x-6 x-3$
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.

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \longleftarrow \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3
\end{gathered}
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \longleftarrow \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9
\end{gathered}
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \longleftarrow \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9 \\
-2 x
\end{gathered}
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \longleftarrow \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9 \\
-2 x-3
\end{gathered}
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9 \\
-2 x-3=-9
\end{gathered}
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9 \\
-2 x-3=-9 \\
-2 x
\end{gathered}
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9 \\
-2 x-3=-9 \\
-2 x=-6
\end{gathered}
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9 \\
-2 x-3=-9 \\
-2 x=-6 \\
x=3
\end{gathered}
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9 \\
-2 x-3=-9 \\
-2 x=-6 \\
x=3 \\
y=2 x+1
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1$

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

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

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

$$
-2 x=-6
$$

$$
\begin{gathered}
x=3 \\
y=2 x+1
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1$

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

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

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

$$
-2 x=-6
$$

$$
\begin{gathered}
x=3 \\
y=2 x+1
\end{gathered}
$$

$$
\mathbf{y}=
$$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$\mathrm{y}=2 \mathrm{x}+1$

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

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

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

$$
-2 x=-6
$$

$$
\begin{gathered}
x=3 \\
y=2 x+1
\end{gathered}
$$

$$
y=2(3)+1
$$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$y=2 x+1$

$$
\begin{gathered}
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9 \\
-2 x-3=-9 \\
-2 x=-6 \\
x=3 \\
y=2 x+1 \\
y=2(3)+1 \\
y=
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$y=2 x+1$

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

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

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

$$
-2 x=-6
$$

$$
\begin{gathered}
x=3 \\
y=2 x+1
\end{gathered}
$$

$$
y=2(3)+1
$$

$$
y=6+1
$$

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

Solve each of the following systems of equations using the substitution method.
9. $4 x-3 y=-9$
$y=2 x+1$

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

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

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

$$
-2 x=-6
$$

$$
\begin{gathered}
x=3 \\
y=2 x+1
\end{gathered}
$$

$$
y=2(3)+1
$$

$$
y=6+1
$$

$$
y=7
$$

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

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

$$
\text { 9. } \begin{gathered}
4 x-3 y=-9 \\
y=2 x+1 \longleftarrow \\
4 x-3(2 x+1)=-9 \\
4 x-6 x-3=-9 \\
-2 x-3=-9 \\
-2 x=-6 \\
x=3 \\
y=2 x+1 \\
y=2(3)+1 \\
y=6+1 \\
y=7
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{aligned}
y & =3 x-2 \\
2 x & -5 y=-16
\end{aligned}
$$

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

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


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

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

$$
\text { 10. } \begin{aligned}
& y=3 x-2 \\
& 2 x-5 y=-16 \\
& 2 x
\end{aligned}
$$

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

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

$$
\text { 10. } \begin{aligned}
& y=3 x-2 \\
& 2 x-5 y=-16 \\
& 2 x-5(
\end{aligned}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
4 \\
2 x-5(3 x-2)=-16
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{aligned}
& y=3 x-2 \\
& 2 x-5 y=-16 \\
& 2 x-5(3 x-2)=-16 \\
& 2 x
\end{aligned}
$$

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

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

$$
\text { 10. } \begin{aligned}
& y=3 x-2 \longleftarrow \\
& 2 x-5 y=-16 \\
& 2 x-5(3 x-2)=-16 \\
& 2 x
\end{aligned}
$$

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

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

$2 x$
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.

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x+5(3 x-2)=-16 \\
2 x-15 x
\end{gathered}
$$

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.

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
\uparrow \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10
\end{gathered}
$$

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.

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
\uparrow \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10
\end{gathered}
$$

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.

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
4 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
4 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{aligned}
& y=3 x-2 \\
& 2 x-5 y=-16 \\
& 2 x-5(3 x-2)=-16 \\
& 2 x-15 x+10=-16 \\
&-13 x+10=-16
\end{aligned}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26 \\
x=2
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26 \\
x=2 \\
y=3 x-2
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26 \\
x=2 \\
y=3 x-2
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26 \\
x=2 \\
y=3 x-2 \\
y=
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26 \\
x=2 \\
y=3 x-2 \\
y=3(2)-2
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26 \\
x=2 \\
y=3 x-2 \\
y=3(2)-2 \\
y=
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26 \\
x=2 \\
y=3 x-2 \\
y=3(2)-2 \\
y=6-2
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26 \\
x=2 \\
y=3 x-2 \\
y=3(2)-2 \\
y=6-2 \\
y=4
\end{gathered}
$$

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

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

$$
\text { 10. } \begin{gathered}
y=3 x-2 \\
2 x-5 y=-16 \\
2 x-5(3 x-2)=-16 \\
2 x-15 x+10=-16 \\
-13 x+10=-16 \\
-13 x=-26 \\
x=2 \\
y=3 x-2 \\
y=3(2)-2 \\
y=6-2 \\
y=4
\end{gathered}
$$

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

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

$$
\begin{aligned}
& \text { 11. } 2 x+3 y=4 \\
& \mathrm{y}=2 \mathrm{x}-1
\end{aligned}
$$

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

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

$$
\text { 11. } \quad \begin{aligned}
& 2 x+3 y=4 \\
& y=2 x-1
\end{aligned}
$$

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

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

$$
\text { 11. } \quad \begin{aligned}
& 2 x+3 y=4 \\
& y=2 x-1
\end{aligned}
$$

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

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

$$
\text { 11. } \quad \begin{aligned}
& 2 x+3 y=4 \\
& y=2 x-1
\end{aligned}
$$

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

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

$$
\text { 11. } \quad \begin{aligned}
& 2 x+3 y=4 \\
& y=2 x-1
\end{aligned}
$$

$$
2 x+3(
$$

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

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

$$
\text { 11. } \quad \begin{aligned}
& 2 x+3 y=4 \\
& y=2 x-1
\end{aligned}
$$

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

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

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

$$
\text { 11. } \begin{aligned}
& 2 x+3 y=4 \\
& y=2 x-1 \longleftarrow
\end{aligned}
$$

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

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

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

$$
\text { 11. } \quad \begin{aligned}
& 2 x+3 y=4 \\
& y=2 x-1
\end{aligned}
$$

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

$$
2 \mathrm{x}
$$

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

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

$$
\text { 11. } \begin{aligned}
& 2 x+3 y=4 \\
& y=2 x-1 \longleftarrow
\end{aligned}
$$

$$
\begin{gathered}
2 x+3(2 x-1)=4 \\
2 x+6 x
\end{gathered}
$$

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

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

$$
\begin{aligned}
& \text { 11. } 2 x+3 y=4 \\
& y=2 x-1 \longleftarrow
\end{aligned}
$$

$$
\begin{gathered}
2 x+3(2 x-1)=4 \\
2 x+6 x-3
\end{gathered}
$$

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

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

$$
\begin{aligned}
& \text { 11. } 2 x+3 y=4 \\
& y=2 x-1 \longleftarrow
\end{aligned}
$$

$$
\begin{gathered}
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4
\end{gathered}
$$

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

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

$2 \mathrm{x}+3(2 \mathrm{x}-1)=4$

$$
2 x+6 x-3=4
$$

8x

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

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

$$
\text { 11. } \begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3
\end{gathered}
$$

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

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

$$
\text { 11. } \begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4
\end{gathered}
$$

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

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

$$
\text { 11. } \begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \longleftarrow \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x
\end{gathered}
$$

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

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

$$
\text { 11. } \begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \longleftarrow \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x=7
\end{gathered}
$$

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

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

$$
\text { 11. } \begin{gathered}
2 x+3 y=4 \\
y=2 x-14 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x=7 \\
x=\frac{7}{8}
\end{gathered}
$$

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

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

$$
\text { 11. } \begin{gathered}
2 x+3 y=4 \\
y=2 x-14 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x=7 \\
x=\frac{7}{8} \\
y=2 x-1
\end{gathered}
$$

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

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

$$
\text { 11. } \begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x=7 \\
x=\frac{7}{8} \\
y=2 x-1
\end{gathered}
$$

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

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

$$
\text { 11. } \begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x=7 \\
x=\frac{7}{8} \\
y=2 x-1 \\
y=
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
11.

$$
\begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x=7 \\
x=\frac{7}{8} \\
y=2 x-1 \\
y=2\left(\frac{7}{8}\right)-1
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
11.

$$
\begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x=7 \\
x=\frac{7}{8} \\
y=2 x-1 \\
y=2\left(\frac{7}{8}\right)-1 \\
y=
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
11.

$$
\begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x=7 \\
x=\frac{7}{8} \\
y=2 x-1 \\
y=2\left(\frac{7}{8}\right)-1 \\
y=\frac{7}{4}-\frac{4}{4}
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
11.

$$
\begin{gathered}
2 x+3 y=4 \\
y=2 x-1 \\
2 x+3(2 x-1)=4 \\
2 x+6 x-3=4 \\
8 x-3=4 \\
8 x=7 \\
x=\frac{7}{8} \\
y=2 x-1 \\
y=2\left(\frac{7}{8}\right)-1 \\
y=\frac{7}{4}-\frac{4}{4} \\
y=\frac{3}{4}
\end{gathered}
$$

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

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

$$
\text { 11. } \begin{aligned}
& 2 x+3 y=4 \\
& y=2 x-1 \\
& 2 x+3(2 x-1)=4 \\
& 2 x+6 x-3=4 \\
& 8 x-3=4 \\
& 8 x=7 \\
& x=\frac{7}{8} \\
& y=2 x-1 \\
& y=2\left(\frac{7}{8}\right)-1 \\
& y=\frac{7}{4}-\frac{4}{4} \\
& y=\frac{3}{4}
\end{aligned}
$$

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

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

$$
x=y-2
$$

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

Solve each of the following systems of equations using the substitution method.
12. $5 x-3 y=1$
$x=y-2$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2
\end{gathered}
$$

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

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


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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{aligned}
& \downarrow \\
& 5 x-3 y=1 \\
& x=y-2 \\
& 5(y-2)-3 y=1 \\
& 5 y
\end{aligned}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{aligned}
& \downarrow \\
& 5 x-3 y=1 \\
& x=y-2 \\
& 5(y-2)-3 y=1 \\
& 5 y-10
\end{aligned}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1 \\
5 y-10-3 y
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1
\end{gathered}
$$

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

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

$$
\text { 12. } \begin{gathered}
5 x-3 y=1 \\
x=y-2 \longleftarrow \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \longleftarrow \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10=1
\end{gathered}
$$

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

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

$$
\text { 12. } \begin{gathered}
5 x-3 y=1 \\
x=y-2 \longleftarrow \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10=1 \\
2 y
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \longleftarrow \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10=1 \\
2 y=11
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10=1 \\
2 y=11 \\
y=\frac{11}{2}
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10=1 \\
2 y=11 \\
y=\frac{11}{2} \\
x=y-2
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \longleftarrow \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10=1 \\
2 y=11 \\
y=\frac{11}{2} \\
x=y-2
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10=1 \\
2 y=11 \\
y=\frac{11}{2} \\
x=y-2 \\
x=
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{gathered}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10=1 \\
2 y=11 \\
y=\frac{11}{2} \\
x=y-2 \\
x=\frac{11}{2}-\frac{4}{2}
\end{gathered}
$$

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

Solve each of the following systems of equations using the substitution method.
12.

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

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

Solve each of the following systems of equations using the substitution method.
12.

$$
\begin{aligned}
& \begin{array}{c|c}
\begin{array}{l}
\downarrow \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1
\end{array} & x=\frac{7}{2} \\
y=\frac{11}{2}
\end{array} \\
& 5 y-10-3 y=1 \\
& 2 y-10=1 \\
& 2 \mathrm{y}=11 \\
& y=\frac{11}{2} \\
& x=y-2 \\
& x=\frac{11}{2}-\frac{4}{2} \\
& \mathrm{x}=\frac{7}{2}
\end{aligned}
$$

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

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

$$
\text { 12. } \begin{array}{c|}
\qquad \\
5 x-3 y=1 \\
x=y-2 \\
5(y-2)-3 y=1 \\
5 y-10-3 y=1 \\
2 y-10=1 \\
9 v=11
\end{array} \quad \begin{array}{r}
x=\frac{7}{2} \\
y=\frac{11}{2} \\
\hline
\end{array}
$$

Good luck on your homework !!

$$
\begin{gathered}
x=y-2 \\
x=\frac{11}{2}-\frac{4}{2} \\
x=\frac{7}{2}
\end{gathered}
$$

