## Algebra II Lesson \#1 Unit 2

 Notes \#1Class Worksheet \#1
For Worksheets \#1 \& \#4

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: __ $y$ intercept: $\qquad$
(b) slope-intercept equation:
(c)


## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
(c)


## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$

4x
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
4x
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=
\end{gathered}
$$

(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{3 / 2} \mathrm{y}$ intercept: $\qquad$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
(c)


## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
(c)


## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

(c)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
$4 x-3 y=6$
(c)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
$4 x-3 y=6$
(c)


4(0)

The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$x=3 / 2$
$4 x-3 y=6$


4(0) $-3 y$

The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
4 x-3(0)=6
$$

$$
4 x=6
$$

$$
x=3 / 2
$$

$$
4 x-3 y=6
$$

(c)


$$
4(0)-3 y=6
$$

The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
$4 x-3 y=6$
$4(0)-3 y=6$
$-3 y$
(c)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
$4 x-3 y=6$
$4(0)-3 y=6$
$-3 y=6$
(c)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
$4 x-3 y=6$
$4(0)-3 y=6$
$-3 y=6$
$\mathbf{y}=$
(c)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) $x$ intercept: $\mathbf{3 / 2} y$ intercept:
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
$4 x-3 y=6$
$4(0)-3 y=6$
$-3 y=6$
$y=-2$
(c)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$x=3 / 2$
$4 x-3 y=6$
$4(0)-3 y=6$
$-3 y=6$
$y=-2$
(c)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
$4 x-3 y=6$
$4(0)-3 y=6$
$-3 y=6$
$y=-2$
(c)


## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{3 / 2}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $4 x-3 y=6$
$4 x-3(0)=6$
$4 x=6$
$\mathrm{x}=3 / 2$
$4 x-3 y=6$
$4(0)-3 y=6$
$-3 y=6$
$y=-2$
(c)


## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{3 / 2}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
4 x-3(0)=6
$$

$$
4 x=6
$$

$$
x=3 / 2
$$

$$
4 x-3 y=6
$$

$$
4(0)-3 y=6
$$

$$
-3 y=6
$$

$$
y=-2
$$



## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \quad \text { b. } 4 x-3 y=6 \\
4 x=6 \\
x=3 / 2 \\
4 x-3 y=6 \\
4(0)-3 y=6 \\
-3 y=6 \\
y=-2
\end{gathered}
$$

(c)


The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \quad \text { b. } 4 x-3 y=6 \\
4 x=6 \\
x=3 / 2 \\
4 x-3 y=6 \\
4(0)-3 y=6
\end{gathered}
$$

(c)


$$
-3 y=6
$$

$$
y=-2
$$

## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{array}{cl}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y \\
x=3 / 2 & \\
4 x-3 y=6 & \\
4(0)-3 y=6 &
\end{array}
$$

(c)


$$
\begin{gathered}
4(0)-3 y=6 \\
-3 y=6 \\
y=-2
\end{gathered}
$$

## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{array}{cl}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y= \\
x=3 / 2 & \\
4 x-3 y=6 & \\
4(0)-3 y=6 &
\end{array}
$$

(c)


$$
-3 y=6
$$

$$
y=-2
$$

## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x \\
x=3 / 2 & \\
4 x-3 y=6 & \\
4(0)-3 y=6 &
\end{array}
$$

(c)


$$
-3 y=6
$$

$$
y=-2
$$

## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & \\
4 x-3 y=6 &
\end{array}
$$

(c)


$$
4(0)-3 y=6
$$

$$
-3 y=6
$$

$$
y=-2
$$

## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y= \\
4 x-3 y=6 &
\end{array}
$$

(c)


$$
4(0)-3 y=6
$$

$$
-3 y=6
$$

## Solve for $\mathbf{y}$.

$$
y=-2
$$

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x
\end{array}
$$

(c)


## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathrm{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:
a. $4 x-3 y=6$

$$
\begin{array}{cr}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$

(c)


$$
4(0)-3 y=6
$$

$$
-3 y=6
$$

## Solve for $\mathbf{y}$.

$$
y=-2
$$

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

(c)

a. $4 x-3 y=6$

$$
\begin{array}{cr}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$

$$
4(0)-3 y=6
$$

$$
-3 y=6
$$

## Solve for $\mathbf{y}$.

$$
y=-2
$$

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

$$
\text { b. } 4 x-3 y=6
$$

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

$$
y=\frac{4}{3} x-2
$$

(c)


$$
\begin{gathered}
4(0)-3 y=6 \\
-3 y=6 \\
y=-2
\end{gathered}
$$

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{3 / 2}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

(c)

a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 & \\
4(0)-3 y=6 & \\
-3 y=6 & \\
y=-2 &
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

$$
\text { b. } 4 x-3 y=6
$$

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

$$
y=\frac{4}{3} x-2
$$

$$
4 x-3 y=6
$$

(c)


$$
4(0)-3 y=6
$$

$$
-3 y=6
$$

$$
y=-2
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

(c)

$$
\text { b. } 4 x-3 y=6
$$

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

$$
y=\frac{4}{3} x-2
$$

$$
4 x-3 y=6
$$



$$
4(0)-3 y=6
$$

y-intercept

$$
\begin{array}{r}
-3 y=6 \\
y=-2
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

(c)

$$
\text { b. } 4 x-3 y=6
$$

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

$$
y=\frac{4}{3} x-2
$$

$$
4 x-3 y=6
$$



$$
\begin{gathered}
4(0)-3 y=6 \\
-3 y=6 \\
y=-2
\end{gathered}
$$

y-intercept

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

$$
\text { b. } 4 x-3 y=6
$$

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

$$
4 x-3 y=6
$$

$$
y=\frac{4}{3} x-2
$$

(c)


$$
4(0)-3 y=6 \quad \text { slope } \quad y \text {-intercept }
$$

$$
-3 y=6
$$

$$
y=-2
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

$$
\text { b. } 4 x-3 y=6
$$

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

$$
4 x-3 y=6
$$

$$
y=\frac{4}{3} x-2
$$



$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \quad y \text {-intercept } \\
-3 y=6 & \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{3 / 2}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$



$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \\
-3 y=6 & y \text {-intercept } \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}=\frac{4}{3}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$

(c)


$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \\
-3 y=6 & y \text {-intercept } \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}=\frac{4}{3}^{\uparrow}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$

(c)


$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \\
-3 y=6 & y \text {-intercept } \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}=\frac{4}{3} \xrightarrow{\uparrow}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$

(c)


$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \\
-3 y=6 & y \text {-intercept } \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}=\frac{4}{3} \xrightarrow{\uparrow}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{3 / 2}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$

(c)


$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \\
-3 y=6 & y \text {-intercept } \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}=\frac{4}{3} \xrightarrow{\uparrow}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{3 / 2}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$

(c)


$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \\
-3 y=6 & y \text {-intercept } \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}=\frac{4}{3} \xrightarrow{\uparrow}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{3 / 2}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

$$
\text { b. } 4 x-3 y=6
$$

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

$$
4 x-3 y=6
$$

$$
y=\frac{4}{3} x-2
$$

(c)


$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \\
-3 y=6 & y \text {-intercept } \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}=\frac{4}{3} \xrightarrow{\uparrow}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$


(c)
a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$

$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \\
-3 y=6 & y \text {-intercept } \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}=\frac{4}{3} \xrightarrow{\uparrow}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{array}{cc}
4 x-3(0)=6 & \text { b. } 4 x-3 y=6 \\
4 x=6 & -3 y=-4 x+6 \\
x=3 / 2 & y=\frac{4}{3} x-2 \\
4 x-3 y=6 &
\end{array}
$$



$$
\begin{array}{cc}
4(0)-3 y=6 & \text { slope } \\
-3 y=6 & y \text {-intercept } \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}=\frac{4}{3} \uparrow
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

1. $4 x-3 y=6$
(a) x intercept: $\mathbf{\mathbf { 3 } / \mathbf { 2 }}$ y intercept: $\mathbf{- \mathbf { 2 }}$
(b) slope-intercept equation:

$$
y=\frac{4}{3} x-2
$$

a. $4 x-3 y=6$

$$
\begin{gathered}
4 x-3(0)=6 \\
4 x=6 \\
x=3 / 2
\end{gathered}
$$

$$
\text { b. } 4 x-3 y=6
$$

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

$$
y=\frac{4}{3} x-2
$$

(c)


$$
\begin{gathered}
4(0)-3 y=6 \\
-3 y=6 \\
y=-2
\end{gathered}
$$

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
(c)


## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
(c)


## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) $x$ intercept: __ $y$ intercept: $\qquad$
(b) slope-intercept equation:
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $2 x+5 y=-10$ 2x
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:

$$
\begin{aligned}
\text { a. } 2 x+5 y & =-10 \\
2 x+5(0) & =-10
\end{aligned}
$$

(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 \mathrm{x}=$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
$\mathbf{x}=$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) $x$ intercept: $\qquad$ y intercept: $\qquad$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
$x=-5$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept: $\qquad$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 \mathrm{x}=-10$
$x=-5$
(c)


The $x$-intercept is the value of $x$ when $y=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- \mathbf { 5 }} \mathrm{y}$ intercept: $\qquad$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
$x=-5$
(c)


## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 \mathrm{x}=\mathbf{- 1 0}$
$x=-5$
(c)


## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 \mathrm{x}=\mathbf{- 1 0}$
$x=-5$
(c)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
$x=-5$
$2 x+5 y=-10$
(c)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
$x=-5$
$2 x+5 y=-10$
2(0)


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
$x=-5$
$2 x+5 y=-10$
(c)

$2(0)+5 y$

The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
$x=-5$
$2 x+5 y=-10$
$2(0)+5 y=-10$


$$
2(0)+5 y=-10
$$

The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
$x=-5$
$2 x+5 y=-10$
(c)

$2(0)+5 y=-10$
$5 y=$

The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 x=-10$
$x=-5$
$2 x+5 y=-10$

$$
\begin{gathered}
2(0)+5 y=-10 \\
5 y=-10
\end{gathered}
$$



The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 \mathrm{x}=-10$
$x=-5$
$2 x+5 y=-10$
$2(0)+5 y=-10$
$5 y=-10$
$\mathrm{y}=$


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: -5 y intercept:
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 \mathrm{x}=-10$
$x=-5$
$2 x+5 y=-10$
$2(0)+5 y=-10$
$5 y=-10$
$y=-2$


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 \mathrm{x}=-10$
$x=-5$
$2 x+5 y=-10$
$2(0)+5 y=-10$
$5 y=-10$
$y=-2$


The $y$-intercept is the value of $y$ when $x=0$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$
$2 x+5(0)=-10$
$2 \mathrm{x}=-10$
$x=-5$
$2 x+5 y=-10$
(c)


$$
\begin{gathered}
2(0)+5 y=-10 \\
5 y=-10 \\
y=-2
\end{gathered}
$$

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $\begin{aligned} 2 x+5 y & =-10 \\ 2 x+5(0) & =-10\end{aligned}$
$2 x=-10$
$x=-5$
$2 x+5 y=-10$
(c)

$2(0)+5 y=-10$

$$
\begin{aligned}
5 y & =-10 \\
y & =-2
\end{aligned}
$$

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
\begin{gathered}
\text { a. } 2 x+5 y=-10 \\
2 x+5(0)=-10 \\
2 x=-10 \\
x=-5 \\
2 x+5 y=-10
\end{gathered}
$$

(c)

$2(0)+5 y=-10$

$$
\begin{aligned}
5 y & =-10 \\
y & =-2
\end{aligned}
$$

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$

$$
2 x+5(0)=-10 \quad 2 x+5 y=-10
$$

(c)

$$
2 x=-10
$$

$$
x=-5
$$

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


$2(0)+5 y=-10$

$$
\begin{aligned}
5 y & =-10 \\
y & =-2
\end{aligned}
$$

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

$2 x+5 y=-10$
$2 \mathrm{x}=\mathbf{- 1 0}$
$x=-5$
$2 x+5 y=-10$
(c)


$$
\begin{gathered}
2(0)+5 y=-10 \\
5 y=-10 \\
y=-2
\end{gathered}
$$

## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

$$
2 x=-10
$$

$$
x=-5
$$

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

$$
2(0)+5 y=-10
$$

$$
5 y=-10
$$

$$
y=-2
$$

(c)


## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

$2 x+5 y=-10$
$2 x=-10$
$5 y=$
$\mathrm{x}=-5$
$2 x+5 y=-10$
(c)


$$
2(0)+5 y=-10
$$

$$
5 y=-10
$$

## Solve for $\mathbf{y}$.

$$
y=-2
$$

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

$2 x+5 y=-10$
$2 \mathrm{x}=-10$
$5 y=-2 x$
$x=-5$
$2 x+5 y=-10$
(c)


$$
2(0)+5 y=-10
$$

$$
5 y=-10
$$

## Solve for $y$.

$$
y=-2
$$

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

$2 x+5 y=-10$
$2 \mathrm{x}=-10$
$5 y=-2 x-10$
$x=-5$
$2 x+5 y=-10$
(c)


$$
2(0)+5 y=-10
$$

$$
5 y=-10
$$

## Solve for $\mathbf{y}$.

$$
y=-2
$$

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathrm{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

$2 x+5 y=-10$
$2 \mathrm{x}=-10$
$5 y=-2 x-10$
$x=-5$
$\mathbf{y}=$
(c)

$2 x+5 y=-10$
$2(0)+5 y=-10$

$$
\begin{aligned}
5 y & =-10 \\
y & =-2
\end{aligned}
$$

## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

$2 x+5 y=-10$
$2 \mathrm{x}=-10$
$5 y=-2 x-10$
$x=-5$
$y=\frac{-2}{5} x$
$2 x+5 y=-10$
(c)


$$
2(0)+5 y=-10
$$

$$
5 y=-10
$$

## Solve for $\mathbf{y}$.

$$
y=-2
$$

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:
a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

$2 x+5 y=-10$
$2 \mathrm{x}=-10$
$5 y=-2 x-10$
$x=-5$
$y=\frac{-2}{5} x-2$
$2 x+5 y=-10$
(c)


$$
\begin{aligned}
5 y & =-10 \\
y & =-2
\end{aligned}
$$

## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=\frac{-2}{5} x-2 \\
2 x+5 y=-10 &
\end{array}
$$

(c)


$$
\begin{gathered}
2(0)+5 y=-10 \\
5 y=-10 \\
y=-2
\end{gathered}
$$

## Solve for $\mathbf{y}$.

The slope-intercept equation: $\mathbf{y}=\mathbf{m x}+\mathbf{b}$.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

(c)

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

$$
2 x=-10
$$

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

$$
x=-5
$$

$$
y=\frac{-2}{5} x-2
$$

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



$$
\begin{gathered}
2(0)+5 y=-10 \\
5 y=-10 \\
y=-2
\end{gathered}
$$

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

(c)

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

$$
2 x=-10
$$

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

$$
x=-5
$$

$$
y=\frac{-2}{5} x-2
$$


$2 x+5 y=-10$
$2(0)+5 y=-10$

$$
\begin{aligned}
5 y & =-10 \\
y & =-2
\end{aligned}
$$

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

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

$$
2 x=-10
$$

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

$$
x=-5
$$

$$
y=\frac{-2}{5} x-2
$$

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

$$
\begin{gathered}
2(0)+5 y=-10 \\
5 y=-10 \\
y=-2
\end{gathered}
$$



Use the y-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=-2 x-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10
$$

y-intercept

$$
\begin{aligned}
5 y & =-10 \\
y & =-2
\end{aligned}
$$

(c)


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=-2 x-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10
$$

y-intercept

$$
\begin{aligned}
5 y & =-10 \\
y & =-2
\end{aligned}
$$

(c)


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=-2 x-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10
$$

y-intercept

$$
\begin{aligned}
5 y & =-10 \\
y & =-2
\end{aligned}
$$

(c)


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=\frac{-2}{5} x-2 \\
2 x+5 y=-10 &
\end{array}
$$

(c)


$$
\begin{aligned}
& 2(0)+5 y=-10 \text { slope } y \text {-intercept } \\
& 5 y=-10 \\
& y=-2
\end{aligned}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=\frac{-2}{5} x-2 \\
2 x+5 y=-10 &
\end{array}
$$

slope $=$
(c)


$$
2(0)+5 y=-10 \text { slope } \quad y \text {-intercept }
$$

$$
5 y=-10
$$

$$
y=-2
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=-2 \\
2 x+5 y=-10 &
\end{array}
$$

(c)


$$
\begin{array}{cc}
2(0)+5 y=-10 & \text { slope } \quad y \text {-intercept } \\
5 y=-10 & \\
y=-2 & \text { slope }=\frac{\text { rise }}{\text { run }}
\end{array}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=\frac{-2}{5} x-2 \\
2 x+5 y=-10 &
\end{array}
$$

(c)


$$
2(0)+5 y=-10 \text { slope } \quad y \text {-intercept }
$$

$$
5 y=-10
$$

$$
y=-2
$$

$$
\text { slope }=\frac{\text { rise }}{\text { run }}=
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=\frac{-2}{5} x-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10 \text { slope } \quad y \text {-intercept }
$$

$$
5 y=-10
$$

$$
y=-2
$$

$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-2}{5}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10 \text { slope } \quad y \text {-intercept }
$$

$$
5 y=-10
$$

$$
y=-2
$$

$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-2}{5} \downarrow
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=\frac{-2}{5} x-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10 \text { slope } \quad y \text {-intercept }
$$

$$
5 y=-10
$$

$$
y=-2
$$

$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-2}{5} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10 \text { slope } \quad y \text {-intercept }
$$

$$
5 y=-10
$$

$$
y=-2
$$

$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-2}{5} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10 \text { slope } \quad y \text {-intercept }
$$

$$
5 y=-10
$$

$$
y=-2
$$

$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-2}{5} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=\frac{-2}{5} x-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10 \text { slope } \quad y \text {-intercept }
$$

$$
5 y=-10
$$

$$
y=-2
$$

$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-2}{5} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5} \mathrm{y}$ intercept: $\underline{\mathbf{- 2}}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
\begin{array}{cc}
2 x+5(0)=-10 & 2 x+5 y=-10 \\
2 x=-10 & 5 y=-2 x-10 \\
x=-5 & y=\frac{-2}{5} x-2 \\
2 x+5 y=-10 &
\end{array}
$$

$$
2(0)+5 y=-10 \text { slope } \quad y \text {-intercept }
$$

$$
5 y=-10
$$

$$
y=-2
$$

$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-2}{5} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

2. $2 x+5 y=-10$
(a) x intercept: $\mathbf{- 5}$ y intercept: $\mathbf{- 2}$
(b) slope-intercept equation:

$$
y=\frac{-2}{5} x-2
$$

a. $2 x+5 y=-10$

$$
2 x+5(0)=-10
$$

(c)

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

$$
2 x=-10
$$

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

$$
x=-5
$$

$$
y=\frac{-2}{5} x-2
$$



$$
\begin{gathered}
2(0)+5 y=-10 \\
5 y=-10 \\
y=-2
\end{gathered}
$$

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$
4. $6 x-3 y=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$
4. $6 x-3 y=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$
4. $6 x-3 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$
$4 y=$
4. $6 x-3 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$
$4 y=-3 x$
4. $6 x-3 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

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

4. $6 x-3 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

$$
\text { 3. } \begin{aligned}
& 3 x+4 y=12 \\
& 4 y=-3 x+12 \\
& y=
\end{aligned}
$$

4. $6 x-3 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x
\end{aligned}
$$

4. $6 x-3 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $\mathbf{6 x}-3 \mathrm{y}=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

y-intercept
4. $\mathbf{6 x}-3 \mathrm{y}=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

y-intercept
4. $\mathbf{6 x}-3 \mathrm{y}=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

y-intercept
4. $\mathbf{6 x}-3 \mathrm{y}=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

slope $\quad y$-intercept
4. $6 x-3 y=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

$$
\text { 3. } \begin{array}{r}
3 x+4 y=12 \\
4 y=-3 x+12 \\
y=\frac{-3}{4} x+3
\end{array}
$$

slope
y-intercept
4. $6 x-3 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

$$
\text { 3. } \begin{array}{r}
3 x+4 y=12 \\
4 y=-3 x+12 \\
y=\frac{-3}{4} x+3
\end{array}
$$

slope
y-intercept
4. $6 x-3 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-3}{4}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

slope
y-intercept
4. $6 x-3 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-3}{4} \downarrow
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

slope
y-intercept
4. $6 x-3 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-3}{4} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

slope
y-intercept
4. $6 x-3 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-3}{4} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

slope
y-intercept
4. $6 x-3 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-3}{4} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{gathered}
4 y=-3 x+12 \\
y=\frac{-3}{4} x+3
\end{gathered}
$$

slope y-intercept
4. $6 x-3 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-3}{4} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{gathered}
4 y=-3 x+12 \\
y=\frac{-3}{4} x+3
\end{gathered}
$$

slope y-intercept
4. $6 x-3 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-3}{4} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

$$
\text { 3. } \begin{array}{r}
3 x+4 y=12 \\
4 y=-3 x+12 \\
y=\frac{-3}{4} x+3
\end{array}
$$

slope y-intercept
4. $6 x-3 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-3}{4} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$
$-3 y=$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$
$-3 y=-6 x$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$



Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
\begin{aligned}
-3 y & =-6 x-12 \\
y & =
\end{aligned}
$$



Solve for y .

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
\begin{aligned}
-3 y & =-6 x-12 \\
y & =2 x
\end{aligned}
$$



Solve for y .

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
\begin{aligned}
-3 y & =-6 x-12 \\
y & =2 x+4
\end{aligned}
$$



Solve for y .

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
\begin{aligned}
-3 y & =-6 x-12 \\
y & =2 x+4
\end{aligned}
$$



## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
\begin{aligned}
-3 y & =-6 x-12 \\
y & =2 x+4
\end{aligned}
$$



Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$



$$
y=2 x+4
$$


y-intercept
Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$



$$
y=2 x+4
$$


y-intercept
Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$



$$
y=2 x+4
$$


y-intercept
Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

$$
\text { 3. } \begin{array}{r}
3 x+4 y=12 \\
4 y=-3 x+12 \\
y=\frac{-3}{4} x+3
\end{array}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$



$$
\text { slope } \underset{y}{y}=2 \mathrm{y} \text {-intercept }
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

$$
\underset{\text { slope }}{\substack{\text {-intercept }}}
$$


slope $=\frac{\text { rise }}{\text { run }}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

$$
\text { 3. } \begin{array}{r}
3 x+4 y=12 \\
4 y=-3 x+12 \\
y=\frac{-3}{4} x+3
\end{array}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

slope
y-intercept

slope $=\frac{\text { rise }}{\text { run }}=\frac{2}{1}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

$$
\text { 3. } \begin{array}{r}
3 x+4 y=12 \\
4 y=-3 x+12 \\
y=\frac{-3}{4} x+3
\end{array}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

$$
\underset{\text { slope }}{\substack{\text {-intercept }}}
$$


slope $=\frac{\text { rise }}{\text { run }}=\frac{2}{1}^{\uparrow}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

$$
\underset{\text { slope }}{\substack{\text {-intercept }}}
$$


slope $=\frac{\text { rise }}{\text { run }}=\frac{2}{1} \xrightarrow{\uparrow}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

$$
\underset{\text { slope }}{\substack{\text {-intercept }}}
$$


slope $=\frac{\text { rise }}{\text { run }}=\frac{2}{1} \xrightarrow{\uparrow}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

$$
\text { slope } \underset{y \text {-intercept }}{\uparrow}
$$


slope $=\frac{\text { rise }}{\text { run }}=\frac{2}{1} \stackrel{\uparrow}{\rightarrow}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

$$
\text { slope }{\underset{y}{\text {-intercept }}}_{\uparrow}^{i}
$$


slope $=\frac{\text { rise }}{\text { run }}=\frac{2}{1} \stackrel{\uparrow}{\rightarrow}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

$$
\text { slope } \underset{y \text {-intercept }}{\uparrow}
$$



$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{2}{1} \uparrow
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

$$
\text { slope } \underset{y \text {-intercept }}{\uparrow}
$$


slope $=\frac{\text { rise }}{\text { run }}=\frac{2}{1} \xrightarrow{\uparrow}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
-3 y=-6 x-12
$$

$$
y=2 x+4
$$

$$
\text { slope } \underset{y \text {-intercept }}{\uparrow}
$$


slope $=\frac{\text { rise }}{\text { run }}=\frac{2}{1} \xrightarrow{\uparrow}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
3. $3 x+4 y=12$

$$
\begin{aligned}
4 y & =-3 x+12 \\
y & =\frac{-3}{4} x+3
\end{aligned}
$$

4. $6 x-3 y=-12$

$$
\begin{aligned}
-3 y & =-6 x-12 \\
y & =2 x+4
\end{aligned}
$$



## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$
6. $x+4 y=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$
6. $x+4 y=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$
6. $x+4 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$
$-5 y=$
6. $x+4 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$
$-5 y=-x$
6. $x+4 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

$$
\text { 5. } \begin{array}{r}
x-5 y=-5 \\
-5 y=-x-5
\end{array}
$$

6. $x+4 y=-12$


Solve for $\mathbf{y}$.

Algebra II Class Worksheet \#1 Unit 2
Graph the equations.

> 5. $x-5 y=-5$
> $-5 y=-x-5$
> $y=$
6. $x+4 y=-12$


Solve for $\mathbf{y}$.

Algebra II Class Worksheet \#1 Unit 2
Graph the equations.

$$
\begin{aligned}
& \text { 5. } x-5 y=-5 \\
& -5 y=-x-5 \\
& y=\frac{1}{5} x
\end{aligned}
$$

6. $x+4 y=-12$


Solve for $\mathbf{y}$.

Algebra II Class Worksheet \#1 Unit 2
Graph the equations.
5. $x-5 y=-5$
$-5 y=-x-5$

$$
y=\frac{1}{5} x+1
$$

6. $x+4 y=-12$


Solve for $\mathbf{y}$.

Algebra II Class Worksheet \#1 Unit 2
Graph the equations.
5. $x-5 y=-5$
$-5 y=-x-5$
$y=\frac{1}{5} x+1$
6. $x+4 y=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

$$
\text { 5. } \begin{gathered}
x-5 y=-5 \\
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{gathered}
$$

6. $x+4 y=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$
$-5 y=-x-5$
$y=\frac{1}{5} x+1$
y-intercept
6. $x+4 y=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$

y-intercept
6. $x+4 y=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$

y-intercept
6. $x+4 y=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$

$\underset{\text { slope }}{\rightleftharpoons} \underset{y}{y}{ }_{y}^{\text {-intercept }}$
6. $x+4 y=-12$


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$

$\underset{\text { slope }}{\rightleftharpoons} \underset{y}{y}{ }_{y}^{\text {-intercept }}$
6. $x+4 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$

$\underset{\text { slope }}{\rightleftharpoons} \underset{y}{y}{ }_{y}^{\text {-intercept }}$
6. $x+4 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{1}{5}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$

$\underset{\text { slope }}{\rightleftharpoons} \underset{y}{y}{ }_{y}^{\text {-intercept }}$
6. $x+4 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{1}{5}^{\uparrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$

$\underset{\text { slope }}{\rightleftharpoons} \underset{y}{y}{ }_{y}^{\text {-intercept }}$
6. $x+4 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{1}{5} \xrightarrow{4}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$

$\underset{\text { slope }}{\rightleftharpoons} \underset{y}{y}{ }_{y}^{\text {-intercept }}$
6. $x+4 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{1}{5} \xrightarrow{4}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$

$\underset{\text { slope }}{\nearrow} \underset{y}{\text { y-intercept }}$
6. $x+4 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{1}{5}^{\uparrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$


6. $x+4 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{1}{5}^{\uparrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
-5 y=-x-5
$$

$$
y=\frac{1}{5} x+1
$$


6. $x+4 y=-12$


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{1}{5}^{\uparrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$


## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.

> 5. $x-5 y=-5$
> $-5 y=-x-5$
> $y=\frac{1}{5} x+1$
6. $x+4 y=-12$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{aligned}
& -5 y=-x-5 \\
& y=\frac{1}{5} x+1
\end{aligned}
$$

6. $x+4 y=-12$
$4 y=$


Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
4 y=-x
$$



Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
4 y=-x-12
$$



Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=
\end{aligned}
$$



Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x
\end{aligned}
$$



Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$



Solve for $\mathbf{y}$.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$



## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$



Use the $\mathbf{y}$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$


y-intercept

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$


y-intercept
Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$


y-intercept

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$


slope $\quad \mathbf{y}$-intercept
Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

slope $y$-intercept

slope $=\frac{\text { rise }}{\text { run }}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

slope $\quad \mathbf{y}$-intercept

slope $=\frac{\text { rise }}{\text { run }}=\frac{-1}{4}$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

slope $y$-intercept


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

slope $\quad \mathbf{y}$-intercept


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

slope $\quad \mathbf{y}$-intercept


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

slope $\quad \mathbf{y}$-intercept


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-1}{4} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

slope $y$-intercept


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-1}{4} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

slope $\quad \mathbf{y}$-intercept


$$
\text { slope }=\frac{\text { rise }}{\text { run }}=\frac{-1}{4} \underset{\rightarrow}{\downarrow}
$$

Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

slope $\mathbf{y}$-intercept


Use the $y$-intercept and the slope to graph the equation.

## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$



## Algebra II Class Worksheet \#1 Unit 2

Graph the equations.
5. $x-5 y=-5$

$$
\begin{array}{r}
-5 y=-x-5 \\
y=\frac{1}{5} x+1
\end{array}
$$



## Good luck on your homework !!

6. $x+4 y=-12$

$$
\begin{aligned}
& 4 y=-x-12 \\
& y=\frac{-1}{4} x-3
\end{aligned}
$$

