

Assignment 7

Chapter 6

Solve the systems algebraically using the elimination method by addition. These will require you to multiply one of the equation first before adding.

1.

$$\begin{aligned}2x - 3y &= -10 \\ x + 2y &= 9\end{aligned}$$

2.

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

3.

$$\begin{aligned}4x - 5y &= 2 \\ -x + 3y &= 3\end{aligned}$$

Chapter 6

These are a mix of systems, solve using one of the addition techniques.

1.

$$\begin{aligned}x + y &= 2 \\ -x + 2y &= 13\end{aligned}$$

2.

$$\begin{aligned}2x + y &= 2 \\ -3x + 2y &= 11\end{aligned}$$

3.

$$\begin{aligned}2x + y &= 4 \\ 5x + y &= 13\end{aligned}$$

Name: _____

Solve the following systems by substitution.

1.

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

2.

$$\begin{aligned}y &= 5x \\ x + 2y &= 33\end{aligned}$$

3.

$$\begin{aligned}y &= x + 3 \\ 2x - 3y &= -11\end{aligned}$$

Solve these equations for y .

Your answer should be in $y = mx + b$ form.

1. $6x + 3y = 15$

2. $3x + 2y = 18$

3. $4x + 3y = 6$

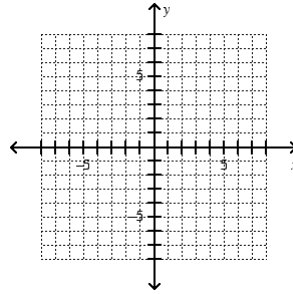
4. $-x + 2y = 10$

5. $-6x + 2y = -12$

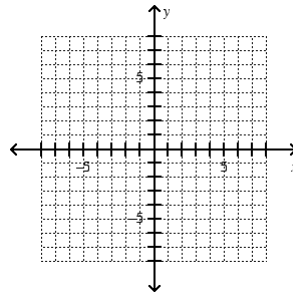
Chapter 5

Graph each equation show enough of the "good points".

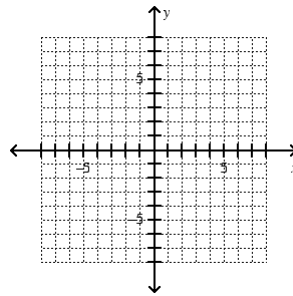
1.
 $y = -2x$



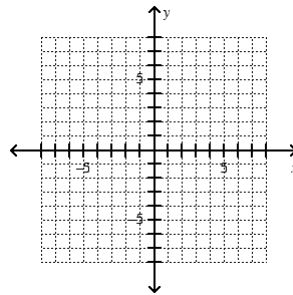
2.
 $y = \frac{1}{2}x$



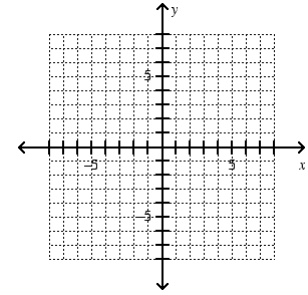
3.
 $y = -5$



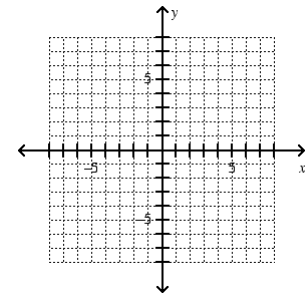
4.
 $2x + 3y = 6$



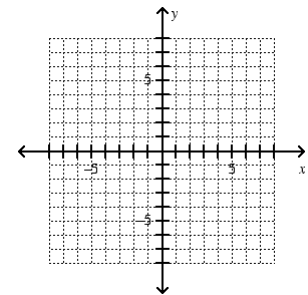
5.
 $x = -3$



6.
 $y = 4$



7.
 $-2y + y = 6$



8.
 $y = \frac{2}{3}x$

