

## Solving Systems of Equations by Elimination

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each system by elimination.**

1) 
$$\begin{aligned} -5x + 4y &= 14 \\ 5x + 5y &= -5 \end{aligned}$$

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

3) 
$$\begin{aligned} -2x + 3y &= -3 \\ 6x - 3y &= 15 \end{aligned}$$

4) 
$$\begin{aligned} -2x + 6y &= 14 \\ 5x - 6y &= -17 \end{aligned}$$

5) 
$$\begin{aligned} 6x - 2y &= 12 \\ -6x - 2y &= 0 \end{aligned}$$

6) 
$$\begin{aligned} -4x + 4y &= 0 \\ 4x - 5y &= 6 \end{aligned}$$

7) 
$$\begin{aligned} 2x + 4y &= -2 \\ -2x + 4y &= 18 \end{aligned}$$

8) 
$$\begin{aligned} 4x - y &= -14 \\ -4x + 4y &= 8 \end{aligned}$$

9) 
$$\begin{aligned} 2x + 6y &= -4 \\ 3x - 6y &= -6 \end{aligned}$$

10) 
$$\begin{aligned} -6x - 6y &= -12 \\ -5x + 6y &= 1 \end{aligned}$$

11) 
$$\begin{aligned} -x - 4y &= -16 \\ 5x + 4y &= 16 \end{aligned}$$

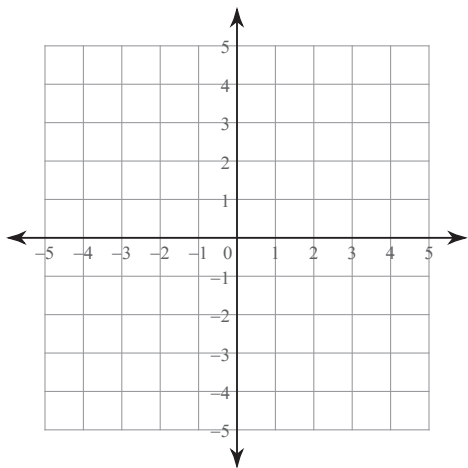
12) 
$$\begin{aligned} -2x + 3y &= 7 \\ -x - 3y &= -10 \end{aligned}$$

## Solving Systems of Equations by Graphing

Solve each system by graphing. Graph each system, then write the ordered pair (x,y) where lines intersect.

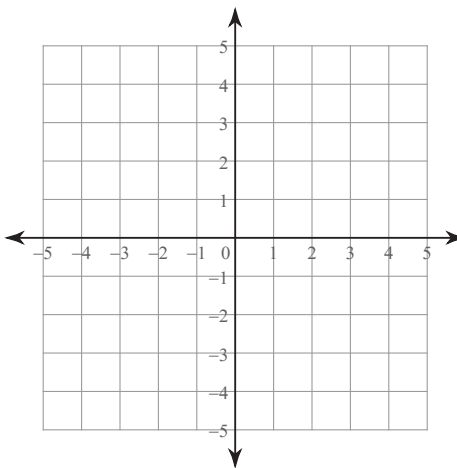
1)  $y = -\frac{1}{2}x + 2$

$y = \frac{1}{2}x + 4$



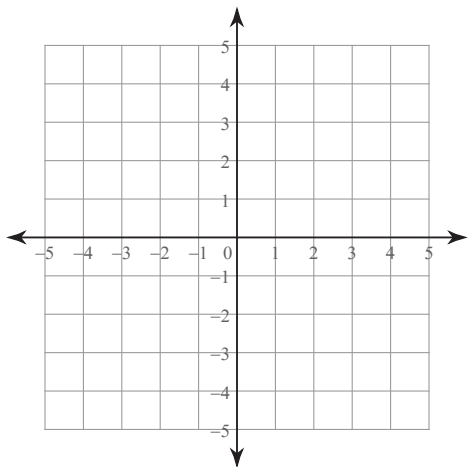
2)  $y = -\frac{7}{3}x - 4$

$y = -\frac{1}{3}x + 2$



3)  $y = \frac{2}{3}x - 1$

$y = 2x + 3$



4)  $y = -\frac{1}{3}x + 2$

$y = \frac{5}{3}x - 4$

