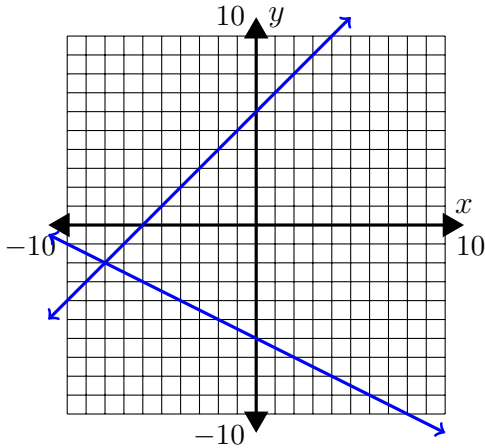


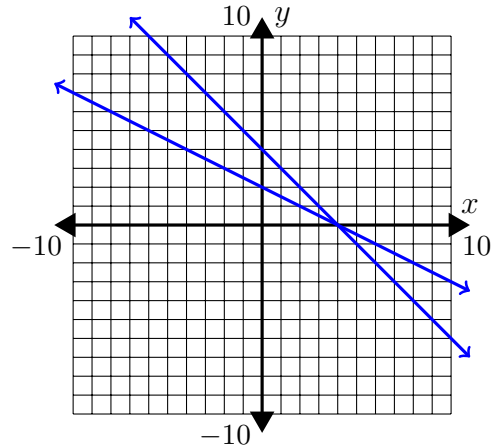
### Systems of Equations 1 Review Worksheet

1. Write the point of intersection.

(a)



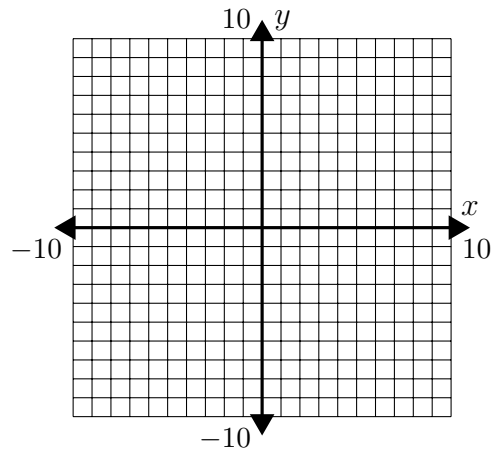
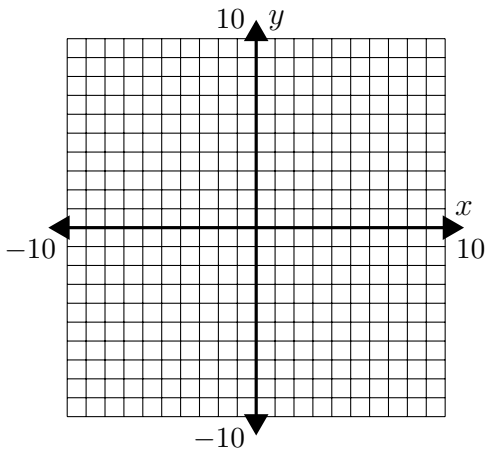
(b)



2. Graph each system of equations and write the point of intersection.

(a) 
$$\begin{cases} y = -x + 9 \\ y = \frac{3}{4}x + 2 \end{cases}$$

(b) 
$$\begin{cases} y = -x + 2 \\ y = -6 \end{cases}$$



3. Use substitution to solve each system of equations. Remember to write your answers as an ordered pair, i.e.  $(x, y)$ .

(a) 
$$\begin{cases} y = -4x + 37 \\ y = \frac{1}{4}x + 3 \end{cases}$$

(b) 
$$\begin{cases} y = x + 6 \\ y = x + 2 \end{cases}$$

(c) 
$$\begin{cases} y = -\frac{1}{2}x - 8 \\ y = -\frac{3}{4}x - 10 \end{cases}$$

$$\mathbf{(d)} \begin{cases} -2x - y = -35 \\ y = -x + 15 \end{cases}$$

$$\mathbf{(e)} \begin{cases} x = -2y + 20 \\ -4x - y = -73 \end{cases}$$

$$\mathbf{(f)} \begin{cases} y = -\frac{1}{2}x + 1 \\ 5x + 7y = 28 \end{cases}$$

$$\mathbf{(g)} \begin{cases} 8x - 9y = -45 \\ 4x + 9y = 153 \end{cases}$$

$$\mathbf{(h)} \begin{cases} 19x - 18y = 4 \\ 15x + 12y = 25 \end{cases}$$