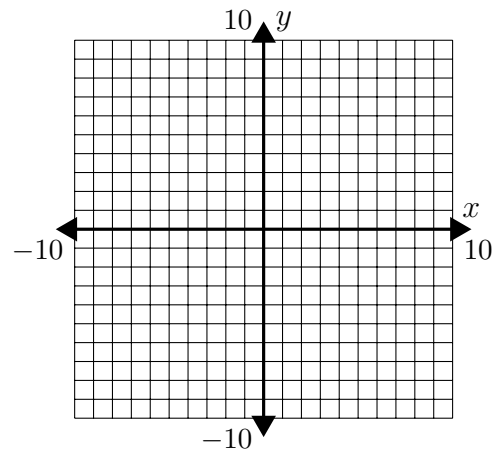
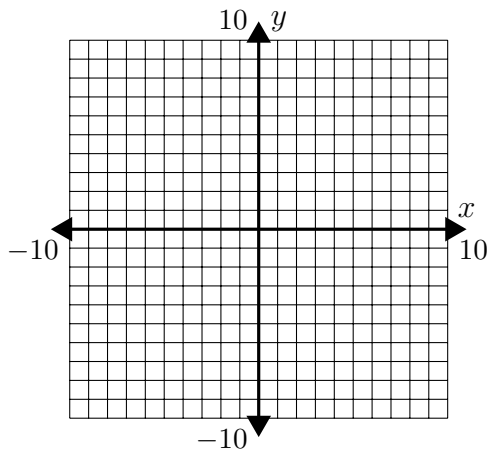


Systems of Equations 2 Review Worksheet

1. Solve each of the following systems of equations by graphing. Remember to write each answer as an ordered pair, i.e. (x, y) .

(a)
$$\begin{cases} y = \frac{3}{5}x + 7 \\ y = -\frac{3}{5}x - 5 \end{cases}$$

(b)
$$\begin{cases} 2x + y = -5 \\ x = -2 \end{cases}$$



2. Solve each of the following systems of equations using substitution. Remember to write each answer as an ordered pair, i.e. (x, y) .

(a)
$$\begin{cases} y = 7x + 1 \\ y = -2x - 8 \end{cases}$$

(b)
$$\begin{cases} -x - 9y = -35 \\ 2x - 9y = -38 \end{cases}$$

3. Solve each of the following systems of equations using elimination. Remember to write each answer as an ordered pair, i.e. (x, y) .

$$(a) \begin{cases} -9x + 7y = -1 \\ 3x - 6y = -18 \end{cases}$$

$$(b) \begin{cases} 6x - 9y = -36 \\ 7x + 2y = 58 \end{cases}$$

4. Solve each of the following systems of equations. Remember to write each answer as an ordered pair, i.e. (x, y) .

$$(a) \begin{cases} -10x - 3y = -75 \\ -4x + 8y = 16 \end{cases}$$

$$(b) \begin{cases} 4x + 5y = -39 \\ -4x = 5y + 39 \end{cases}$$

$$(c) \begin{cases} -x + 8y = 70 \\ 7x + 4y = 50 \end{cases}$$

$$(d) \begin{cases} 3x = -\frac{3}{5}y + \frac{123}{5} \\ 15x + 3y = 100 \end{cases}$$

$$(e) \begin{cases} \frac{4}{5}x + \frac{4}{3}y = \frac{136}{15} \\ -\frac{9}{10}x - y = -\frac{46}{5} \end{cases}$$

$$(f) \begin{cases} -\frac{8}{7}x - \frac{5}{2}y = -\frac{76}{7} \\ 5x - \frac{1}{10}y = -\frac{204}{5} \end{cases}$$