

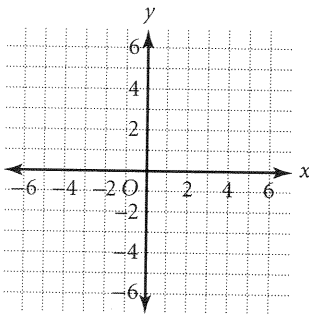


Practice

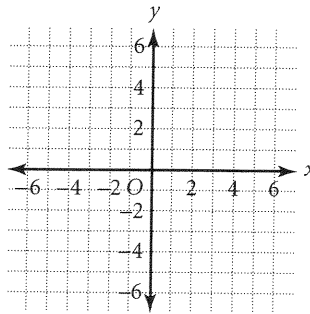
7.1 Graphing Systems of Equations

Solve by graphing. Round solutions to the nearest tenth if necessary. Check algebraically.

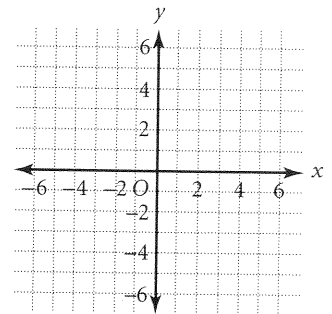
1.
$$\begin{cases} x + y = 4 \\ 2x - y = 5 \end{cases}$$



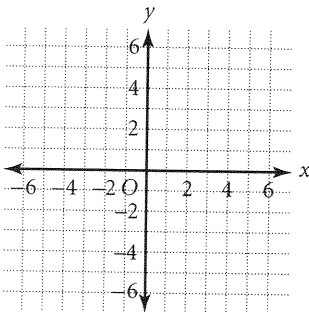
2.
$$\begin{cases} x + y = 0 \\ 3x - 2y = 10 \end{cases}$$



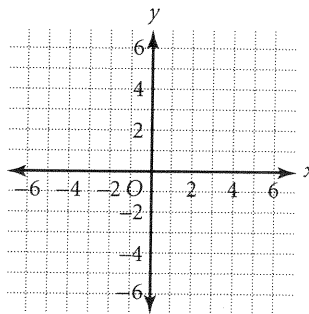
3.
$$\begin{cases} 2x + y = 7 \\ x + y = 3 \end{cases}$$



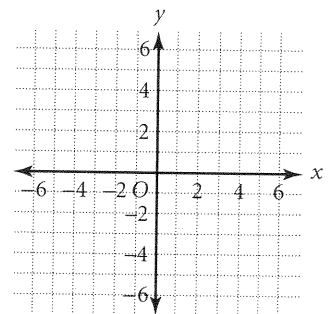
4.
$$\begin{cases} x + y = 1 \\ 2x - 2y = 6 \end{cases}$$



5.
$$\begin{cases} 3x + 2y = 9 \\ 4x - y = 1 \end{cases}$$



6.
$$\begin{cases} 3x - 4y = -4 \\ 6x - 2y = 1 \end{cases}$$



Use algebra to determine whether the point (1, 4) is a solution for each pair of equations.

7.
$$\begin{cases} y = x + 3 \\ y = 2x - 2 \end{cases}$$

8.
$$\begin{cases} y = 3x + 1 \\ y = -x + 5 \end{cases}$$

9.
$$\begin{cases} y = 5x - 1 \\ y = -2x + 6 \end{cases}$$

Use algebra to determine whether the point (-2, 6) is a solution for each pair of equations.

10.
$$\begin{cases} y = x + 8 \\ y = 4x - 2 \end{cases}$$

11.
$$\begin{cases} x + y = 4 \\ x - y = 8 \end{cases}$$

12.
$$\begin{cases} 4x + y = -2 \\ y = -x + 4 \end{cases}$$
