NAME _____ DATE _____

Module 10 Solving Systems of Linear Equations and Inequalities
Lesson 1 Solving Systems of Linear Equations by Graphing

additional practice

Determine whether the given point is a solution to the system.

1. (5, –3) $\begin{cases} x = 5 \\ y = -3 \end{cases}$

2. (0, 0) $\begin{cases} x + y = 0 \\ y = -7x \end{cases}$

3. (–2, –3) $\begin{cases} x - 2y = 7 \\ y = 2x + 1 \end{cases}$

4. (1, –2) $\begin{cases} 5x - 4y = 13 \\ y = x - 4 \end{cases}$

5. (3, –5) $\begin{cases} x = 5 - y \\ y = -3x + 1 \end{cases}$

6. (–2, –3) $\begin{cases} y = 2x + 1 \\ 2x - y = -1 \end{cases}$

7. (9, –1) $\begin{cases} 7x - 5y = 3 \\ 2x - 3y = 13 \end{cases}$

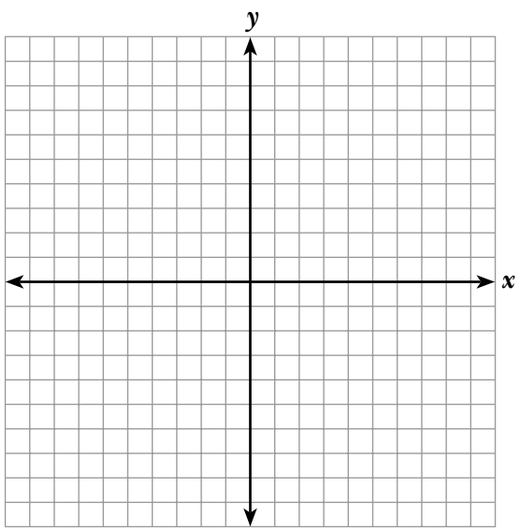
8. $\left(\frac{1}{2}, -\frac{1}{2}\right)$ $\begin{cases} 8x + 2y = 3 \\ 6x + 4y = 1 \end{cases}$

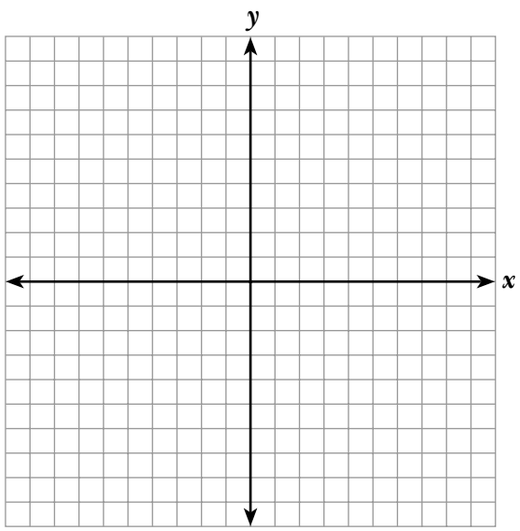
9. (2, –2) $\begin{cases} 5x = 2 - 4y \\ 3y = -4x + 2 \end{cases}$

Solve each system by graphing.

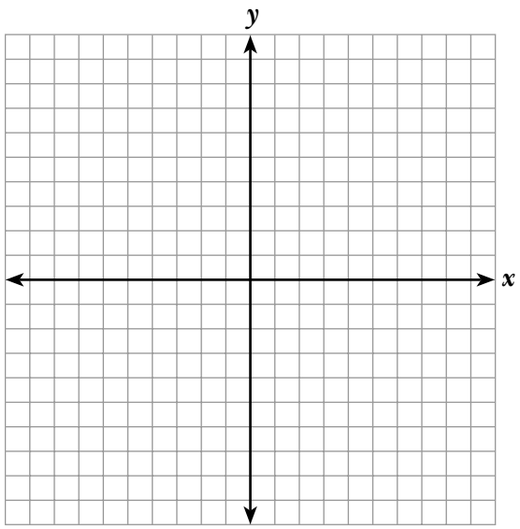
10. $\begin{cases} x = 5 \\ y = -1 \end{cases}$

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

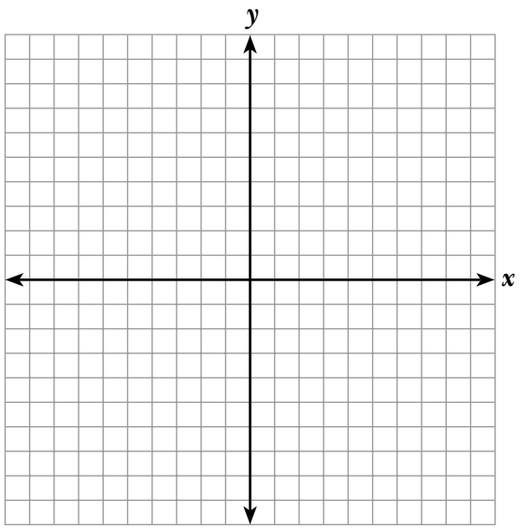




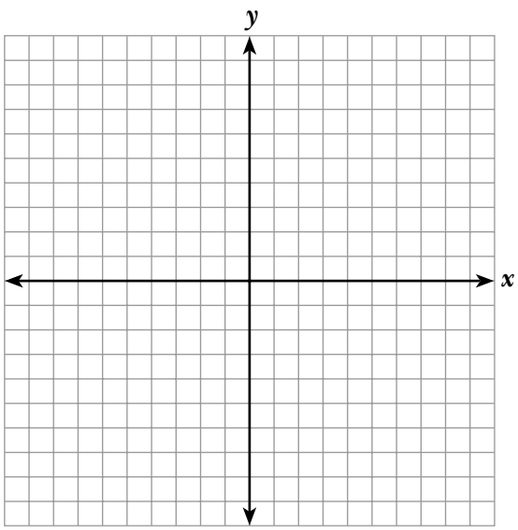
12. $\begin{cases} x + y = 9 \\ x - y = 1 \end{cases}$



13. $\begin{cases} y = -\frac{1}{2}x - 2 \\ y = 2x - 7 \end{cases}$



14. $\begin{cases} x + y = 7 \\ x + y = 5 \end{cases}$



15. $\begin{cases} y = 4x - 5 \\ 12x - 3y = 15 \end{cases}$