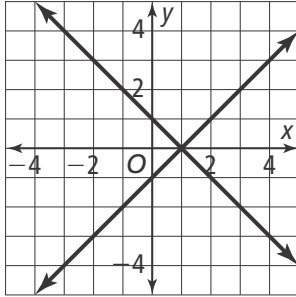


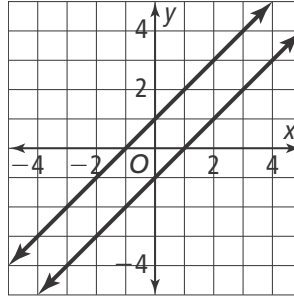
# 4-1 Reteach to Build Understanding

## Solving Systems of Equations by Graphing

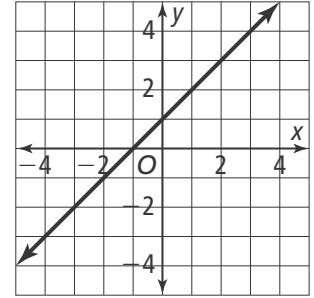
1. The graphs shown are of linear systems that have different numbers of solutions. A point of intersection shows a solution. Draw a line from the graph to the correct number of solutions.



infinitely many

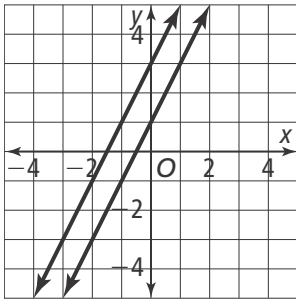


no solution



one solution

2. Jenna incorrectly solved the system of equations  $\begin{cases} y = 2x + 3 \\ -y = 2x + 1 \end{cases}$ . Find and correct her error.



The lines are parallel, so there is no point of intersection. This system has no solutions.

3. Solve the system of equations  $\begin{cases} 8x + 2y = 6 \\ y = -4x + 3 \end{cases}$

Graph the line for each equation in the system.

The slopes of the lines for both equations \_\_\_\_\_.

The y-intercepts of the lines for both equations \_\_\_\_\_.

The lines that represent both equations \_\_\_\_\_.

So, this system of equations has \_\_\_\_\_ solution(s).

