

Practice

Student Edition
Pages 454–461

Graphing Systems of Equations

Use the graphs below to determine whether each system has one solution, no solution, or infinitely many solutions. If the system has one solution, name it.

1. $x + y = -3$
 $2x - y = -3$

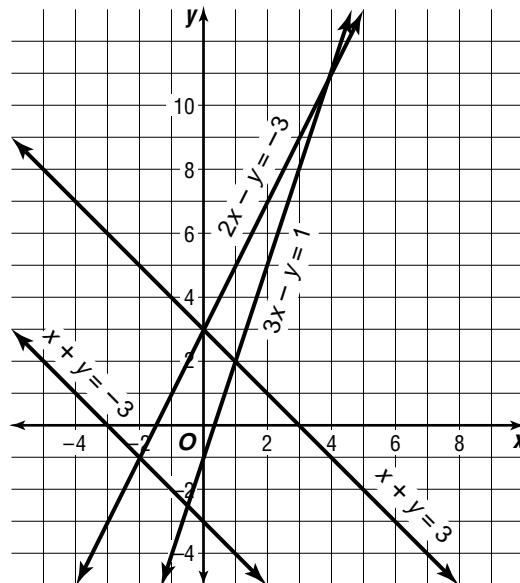
2. $4x - 2y = -6$
 $2x - y = -3$

3. $3x - y = 1$
 $x + y = 3$

4. $x + y = -3$
 $x + y = 3$

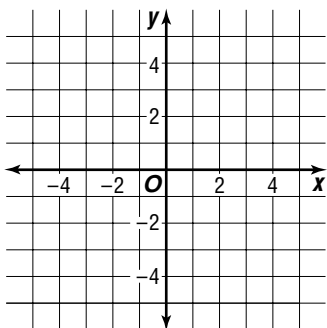
5. $x + y = 3$
 $2x - y = -3$

6. $2x - y = -3$
 $3x - y = 1$

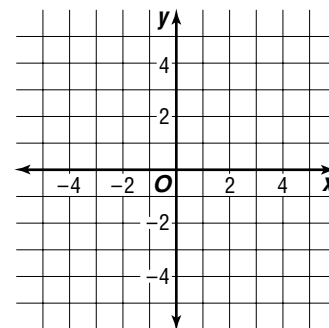


Graph each system of equations. Then determine whether the system has one solution, no solution, or infinitely many solutions. If the system has one solution, name it.

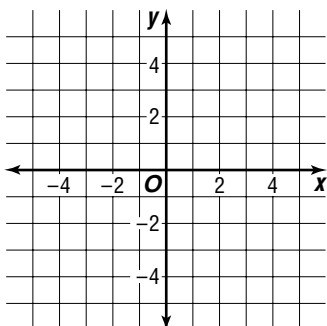
7. $x - y = 3$
 $x - 2y = 3$



8. $3x - y = -4$
 $3x - y = 0$



9. $y = 2x - 3$
 $4x = 2y + 6$



10. $x + 2y = 3$
 $3x - y = -5$

