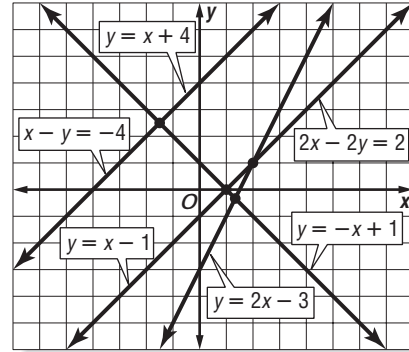


5-1 Skills Practice

Graphing Systems of Equations

Use the graph at the right to determine whether each system has *no* solution, *one* solution, or *infinitely many* solutions.



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

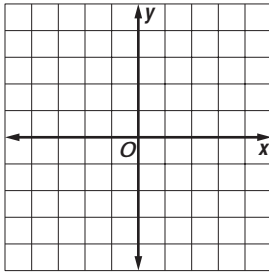
2. $x - y = -4$
 $y = x + 4$

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

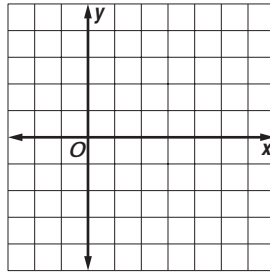
4. $y = 2x - 3$
 $2x - 2y = 2$

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

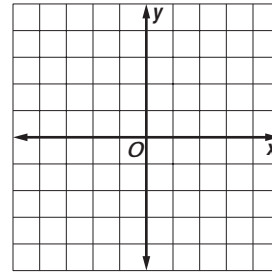
5. $2x - y = 1$
 $y = -3$



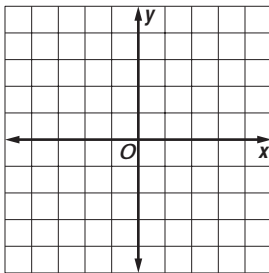
6. $x = 1$
 $2x + y = 4$



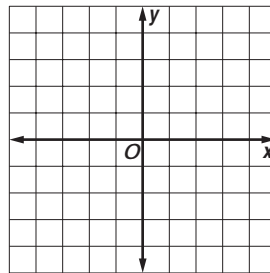
7. $3x + y = -3$
 $3x + y = 3$



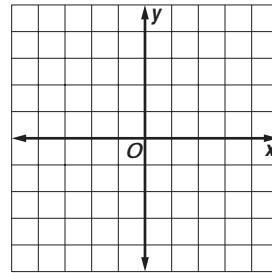
8. $y = x + 2$
 $x - y = -2$



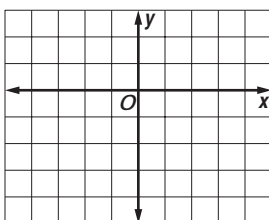
9. $x + 3y = -3$
 $x - 3y = -3$



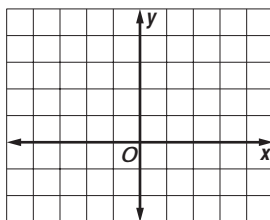
10. $y - x = -1$
 $x + y = 3$



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



12. $x + 2y = 4$
 $y = -\frac{1}{2}x + 2$



13. $y = 2x + 3$
 $3y = 6x - 6$

