

Practice Set 5.1
Solving Systems of Linear Equations by Graphing

Determine whether the given ordered pair is a solution to the system.

1. $x + y = 9$ (4, 5) 1. _____
 $4x - y = 11$

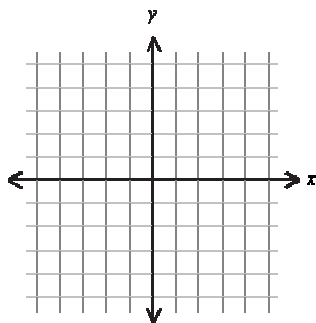
2. $3x - 2y = 3$ $\left(\frac{2}{3}, \frac{-1}{2}\right)$ 2. _____
 $6x + 4y = 2$

3. $x - 5y = 11$ (6, -1) 3. _____
 $3x - y = 17$

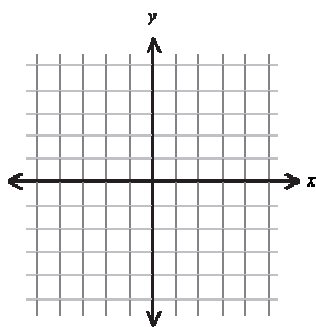
4. $2x - 7y = -4$ (5, 2) 4. _____
 $y = -2x + 8$

Solve the following systems by graphing. Use set notation to express solution sets. If there is no solution or an infinite number of solutions, so state.

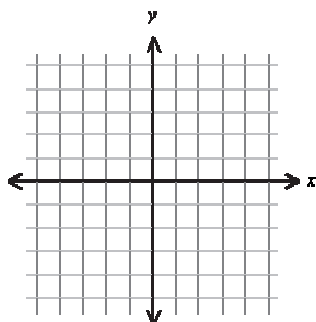
5. $x + y = -4$ 5. _____
 $x - y = 2$



6. $8x + 2y = 6$ 6. _____
 $4x + y = 3$

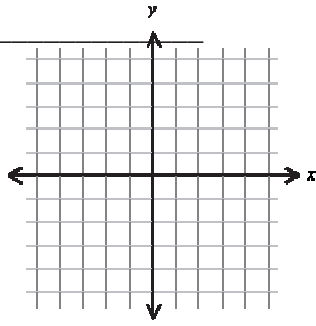


7. $x - y = 3$ 7. _____
 $x = 4$



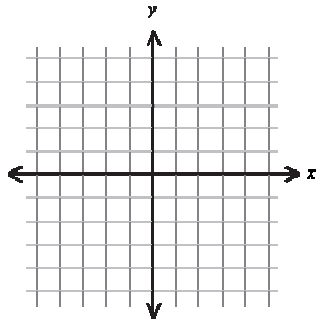
Name _____ Date _____

8. $2x + y = 1$
 $x - y = 5$



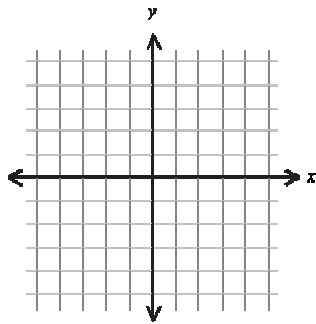
8. _____

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



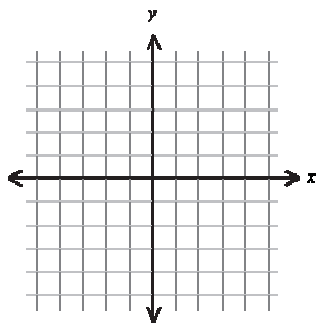
9. _____

10. $x + y = 5$
 $x - y = 1$



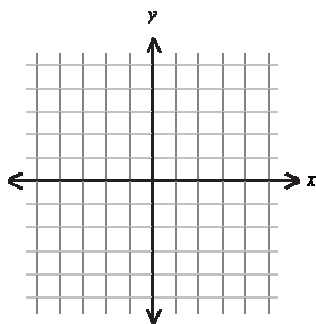
10. _____

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



11. _____

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

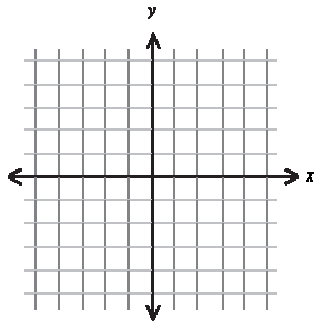


12. _____

Name _____

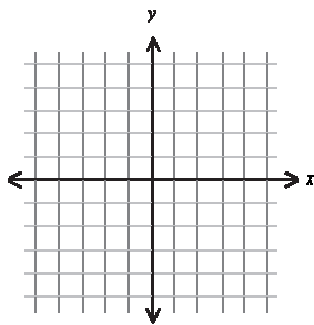
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13. $2x + y = -2$
 $x - y = 5$



13. _____

14. $2x - y = 4$
 $6x - 3y = 12$



14. _____