

5.1 Practice A

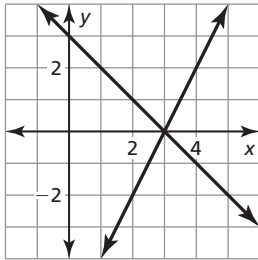
In Exercises 1 and 2, tell whether the ordered pair is a solution of the system of linear equations.

1. $(3, 4)$; $x + y = 7$
 $x - 2y = -5$

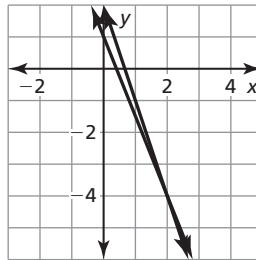
2. $(-5, 2)$; $y = -x - 3$
 $y = 3x + 10$

In Exercises 3 and 4, use the graph to solve the system of linear equations. Check your solution.

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



4. $5x + 2y = 2$
 $3x + y = 2$



In Exercises 5 and 6, solve the system of linear equations by graphing.

5. $y = x + 4$
 $y = -x + 8$

6. $y = \frac{1}{3}x + 6$
 $y = -\frac{2}{3}x + 3$

In Exercises 7 and 8, use a graphing calculator to solve the system of linear equations.

7. $0.2x - 0.2y = 2$
 $0.9x + 0.6y = 6$

8. $-1.5x + y = 2.5$
 $15x - 1.5y = 4.8$

9. You sell bracelets for \$2 each and necklaces for \$3 each at a local flea market. You collect \$95, selling a total of 37 jewelry items. How many of each type of jewelry did you sell?

10. For each rectangle below, write a linear equation that represents the area y of the rectangle. Solve this system of two linear equations by graphing. Interpret your solution.

