16-2 Skills Practice

Solving Systems of Equations by Using Algebra

Use substitution to solve each system of equations.

1. $y = 7$
$x + 2y = 5$

2. $y = -3$
$x - y = 8$

3. $y = x$
$2x + y = 15$

4. $y = x - 7$
$2x + 3y = 19$

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

6. $y = x - 1$
$4x - 3y = 4$

7. $3x + y = 2$
$2x + 2y = 8$

8. $-2x + y = 0$
$3x - y = 4$

9. $4x + y = -13$
$2x - 3y = -11$

Use elimination to solve each system of equations.

10. $x + y = 7$
$x - y = 1$

11. $x + y = 4$
$2x - y = -13$

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

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

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

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