

**5.3** Notetaking with Vocabulary (continued)**Extra Practice**

In Exercises 1–18, solve the system of linear equations by elimination. Check your solution.

1.  $x + 3y = 17$   
 $-x + 2y = 8$

2.  $2x - y = 5$   
 $5x + y = 16$

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

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

5.  $5x + 2y = -28$   
 $-5x + 3y = 8$

6.  $2x - 5y = 8$   
 $3x + 5y = -13$

7.  $2x + y = 12$   
 $3x - 18 = y$

8.  $4x + 3y = 14$   
 $2y = 6 + 4x$

9.  $-4x = -2 + 4y$   
 $-4y = 1 - 4x$

**5.3** Notetaking with Vocabulary (continued)

10.  $x + 2y = 20$   
 $2x + y = 19$

11.  $3x - 2y = -2$   
 $4x - 3y = -4$

12.  $9x + 4y = 11$   
 $3x - 10y = -2$

13.  $4x + 3y = 21$   
 $5x + 2y = 21$

14.  $-3x - 5y = -7$   
 $-4x - 3y = -2$

15.  $8x + 4y = 12$   
 $7x + 3y = 10$

16.  $4x + 3y = -7$   
 $-2x - 5y = 7$

17.  $8x - 3y = -9$   
 $5x + 4y = 12$

18.  $-3x + 5y = -2$   
 $2x - 2y = 1$

19. The sum of two numbers is 22. The difference is 6. What are the two numbers?