

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

In Exercises 1–18, solve the system of linear equations.

1. $y = 3x - 7$
 $y = 3x + 4$

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

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

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

5. $6x + 6y = -3$
 $-6x - 6y = 3$

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

7. $2x + 3y = 1$
 $-2x + 3y = -7$

8. $4x + 3y = 17$
 $-8x - 6y = 34$

9. $3x - 2y = 6$
 $-9x + 6y = -18$

5.4 Notetaking with Vocabulary (continued)

10. $-2x + 5y = -21$
 $2x - 5y = 21$

11. $3x - 8y = 3$
 $8x - 3y = 8$

12. $18x + 12y = 24$
 $3x + 2y = 6$

13. $15x - 6y = 9$
 $5x - 2y = 27$

14. $-3x - 5y = 8$
 $6x + 10y = -16$

15. $2x - 4y = 2$
 $-2x - 4y = 6$

16. $5x + 7y = 7$
 $7x + 5y = 5$

17. $y = \frac{2}{3}x + 7$
 $y = \frac{2}{3}x - 5$

18. $-3x + 5y = 15$
 $9x - 15y = -45$

19. You have \$15 in savings. Your friend has \$25 in savings. You both start saving \$5 per week. Write a system of linear equations that represents this situation. Will you ever have the same amount of savings as your friend? Explain.