

**LESSON**  
**5.1**

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Practice A**

For use with pages 269–275

Find the slope and y-intercept of the line.

1.  $y = 2x + 5$

2.  $y = -4x + 1$

3.  $y = x - 5$

4.  $y = \frac{1}{2}x$

5.  $y = 3 + 2x$

6.  $2y = 4x - 3$

Write in slope-intercept form the equation of the line.

7. The slope is 1; the y-intercept is 0.

8. The slope is  $-2$ ; the y-intercept is 4.

9. The slope is  $-3$ ; the y-intercept is  $-5$ .

10. The slope is 6; the y-intercept is  $-1$ .

11. The slope is 0; the y-intercept is 9.

12. The slope is  $-6$ ; the y-intercept is  $-2$ .

13. The slope is 2; the y-intercept is  $-8$ .

14. The slope is  $-4$ ; the y-intercept is 11.

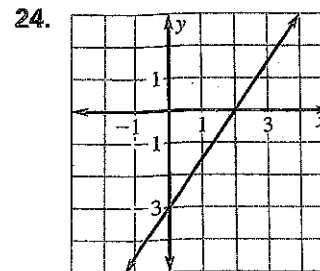
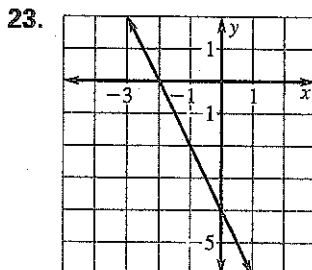
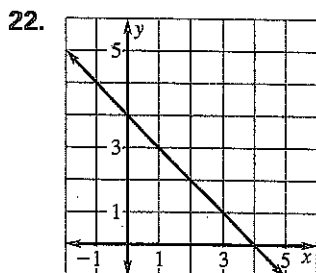
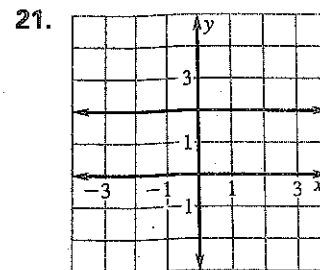
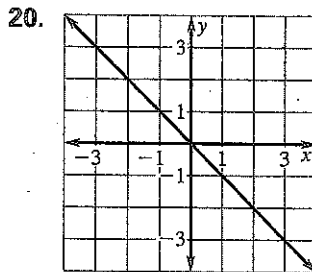
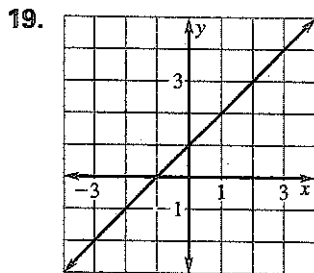
15. The slope is 5; the y-intercept is 5.

16. The slope is  $-5$ ; the y-intercept is  $-4$ .

17. The slope is  $-\frac{3}{5}$ ; the y-intercept is 3.

18. The slope is  $\frac{8}{9}$ ; the y-intercept is  $-\frac{1}{2}$ .

Write in slope-intercept form the equation of the line shown in the graph.



**Practice B**

For use with pages 269–275

Write in slope-intercept form the equation of the line.

1. The slope is 2; the  $y$ -intercept is 3.
2. The slope is 5; the  $y$ -intercept is 0.
3. The slope is 4; the  $y$ -intercept is  $-3$ .
4. The slope is  $-5$ ; the  $y$ -intercept is 1.
5. The slope is  $-3$ ; the  $y$ -intercept is  $-2$ .
6. The slope is 0; the  $y$ -intercept is  $-5$ .
7. The slope is  $\frac{1}{2}$ ; the  $y$ -intercept is  $-8$ .
8. The slope is  $-\frac{3}{4}$ ; the  $y$ -intercept is 9.
9. The slope is  $-\frac{1}{5}$ ; the  $y$ -intercept is 3.
10. The slope is  $\frac{4}{5}$ ; the  $y$ -intercept is  $-7$ .
11. The slope is  $\frac{1}{3}$ ; the  $y$ -intercept is  $\frac{2}{3}$ .
12. The slope is  $-\frac{4}{3}$ ; the  $y$ -intercept is  $\frac{7}{8}$ .

Write in slope-intercept form the equation of the line shown in the graph.

