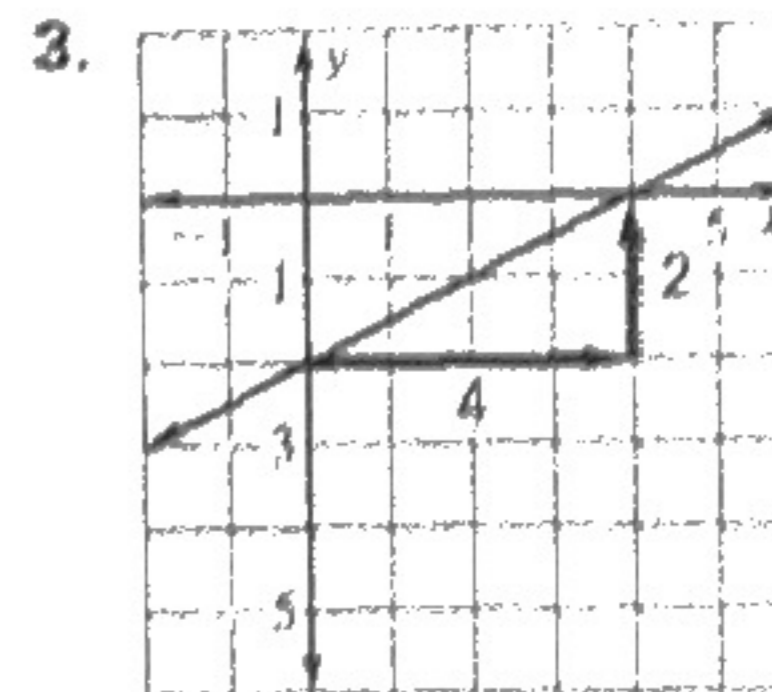
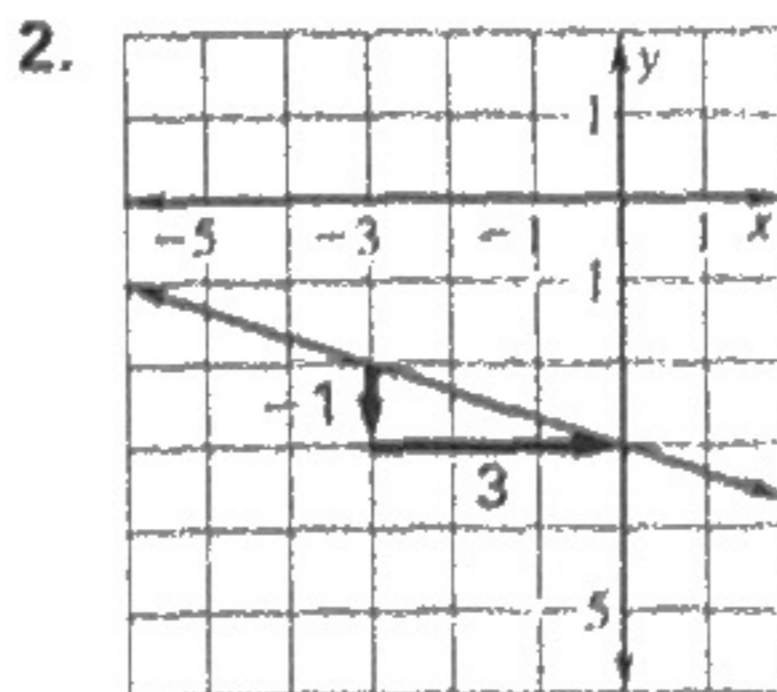
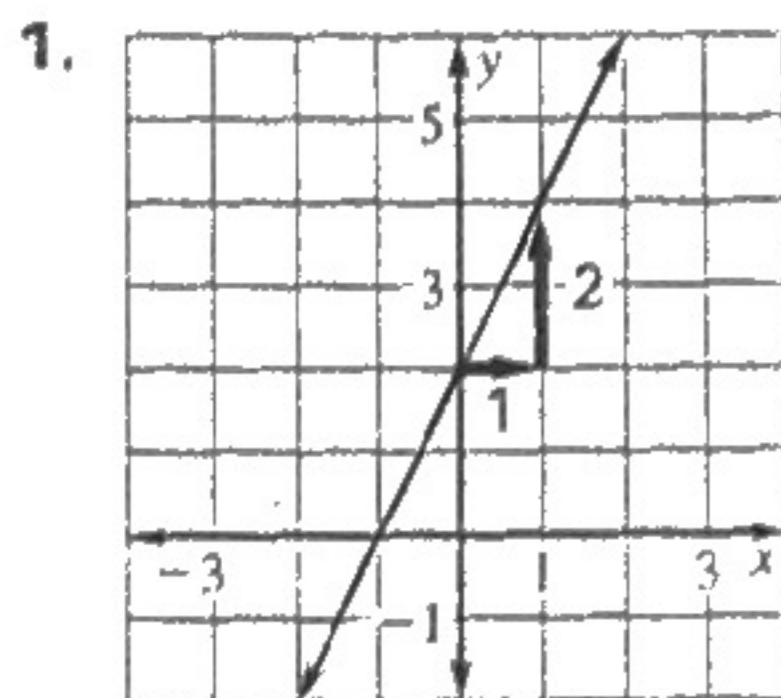


Practice A

For use with pages 241-247

Find the slope and y-intercept of the line whose graph is shown.



Find the slope and y-intercept of the graph of the equation.

4. $y = 7x + 3$

5. $y = 5x - 1$

6. $y = 7$

7. $y = -2x$

8. $y = \frac{1}{2}x + \frac{5}{2}$

9. $y = \frac{4x + 3}{2}$

Graph the equation. If necessary, write the equation in slope-intercept form first.

10. $y = x + 1$

11. $y = x - 6$

12. $y = 3x$

13. $y = -2x$

14. $y = 2x - 3$

15. $y = -5x - 2$

16. $y = 4$

17. $y = \frac{1}{2}x - 1$

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

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

20. $-3x + y = 8$

21. $x + y = 5$

Decide whether the graphs of the two equations are parallel lines.

22. $y = x + 3, y = x + 6$

23. $y = 2x - 3, y = -2x + 3$

24. $y = 4x - 1, y = 1 - 4x$

25. $3y = x - 12, 6y = 2x + 12$

Jogging Use the following information.

Howard decides to start jogging every day at the track. The first week he jogs 4 laps. He adds 1 lap each week for 8 weeks. Let l represent the number of laps Howard runs and let t represent the time in weeks since he began jogging.

26. Make a table of values to record the number of laps Howard jogs from week 0, 1, 2, 3, ..., 7.

27. Plot the ordered pairs. Draw a line through the points.

28. Find the slope. What does it represent?

Telephone Calls Use the following information.

The cost of a long-distance telephone call is \$.50 for the first minute and \$.10 for each additional minute. Let c represent the total cost of a call that lasts t minutes.

29. Make a table of values to record the costs of calls that last 1, 2, 3, 4, 5, and 6 minutes.

30. Plot the ordered pairs. Draw a line through the points.

31. Find the slope. What does it represent?