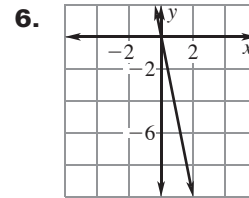
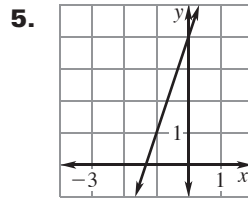
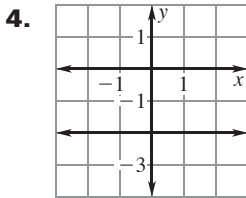
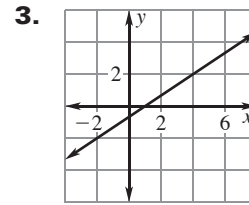
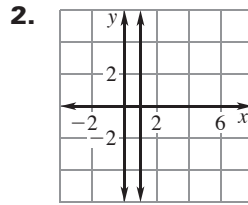
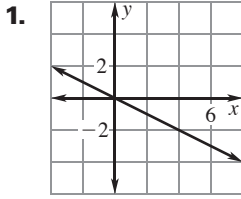


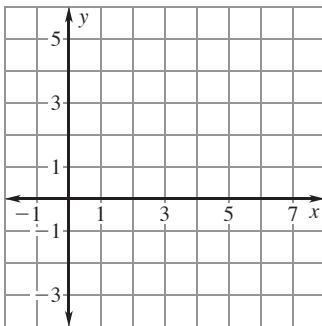
LESSON 3.4 **Practice A**
 For use with the lesson "Find Slope and Rate of Change"

Tell whether the slope of the line is **positive, negative, zero, or undefined**.

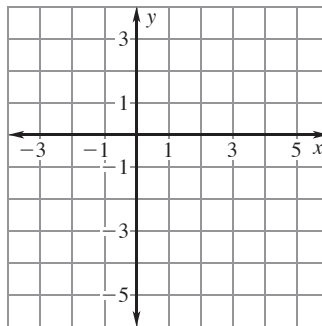


Plot the points and draw a line through them. Without calculating, tell whether the slope of the line is **positive, negative, zero, or undefined**.

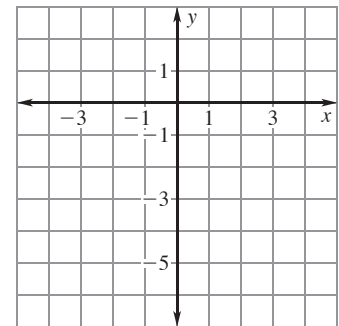
7. (1, 0) and (5, 3)



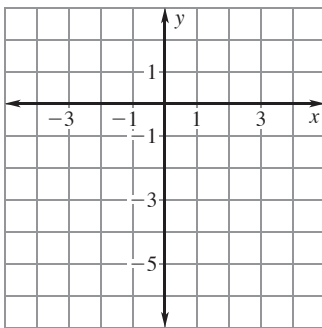
8. (-3, -2) and (5, -2)



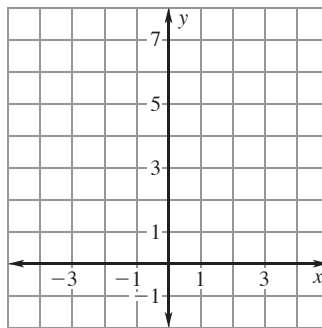
9. (-4, 2) and (3, -5)



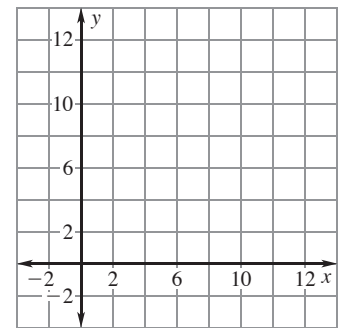
10. (2, 2) and (-3, -6)



11. (-1, 1) and (-1, 5)



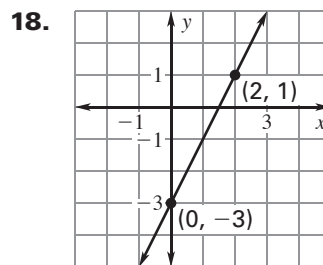
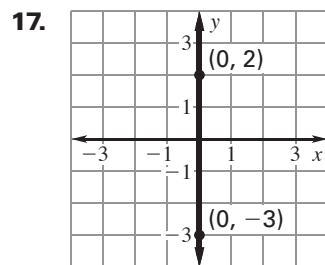
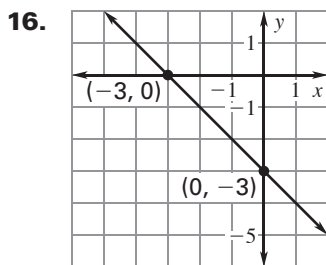
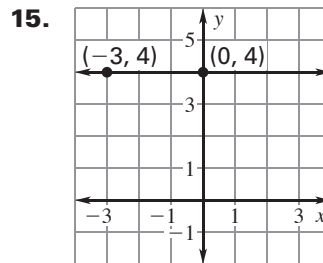
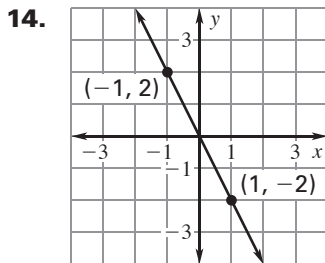
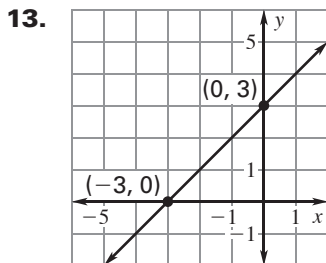
12. (6, 7) and (7, 6)



LESSON
3.4

Practice A *continued*
For use with the lesson "Find Slope and Rate of Change"

Find the slope of the line that passes through the points.



Find the slope of the line that passes through the points.

- | | | |
|--------------------------------|-------------------------------|-------------------------------|
| 19. (0, 4) and (3, 7) | 20. (2, 5) and (3, 0) | 21. (1, 2) and (2, 5) |
| 22. (4, -8) and (-3, 6) | 23. (4, 1) and (3, 7) | 24. (4, 8) and (6, 10) |
| 25. (-3, 7) and (1, -1) | 26. (4, 5) and (-6, 5) | 27. (3, -2) and (3, 4) |

Find the value of y so that the line passing through the two points has the given slope.

- 28.** (0, y), (2, 7); $m = \frac{1}{2}$ **29.** (5, 4), (2, y); $m = -\frac{1}{3}$ **30.** (4, 2), (5, y); $m = 4$

31. Plant and Flower Sales The table shows the amount of money (in dollars) spent by a household on plants and flowers for certain years. Describe the rates of change in the number of dollars spent during the time period.

Year	2001	2002	2003	2004	2005
Amount spent (dollars)	127	134	139	137	136

32. Broadway Shows The graph shows the number of new Broadway show productions for certain years.

- Describe the rates of change in the number of shows with respect to time.
- Determine the time interval during which the number of new shows showed the greatest rate of change.
- Determine the time interval during which the number of new shows showed the least rate of change.

