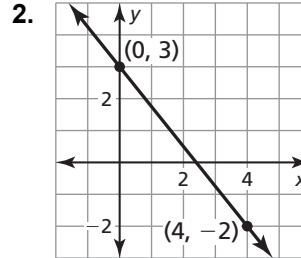
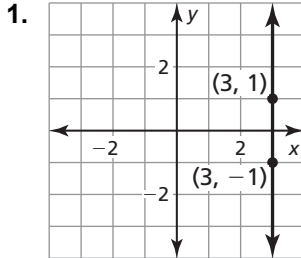


3.5

Practice B

In Exercises 1 and 2, describe the slope of the line. Then find the slope.



In Exercises 3 and 4, the points represented by the table lie on a line. Find the slope of the line.

3.

x	4	4	4	4
y	-2	1	4	7

4.

x	3	1	-1	-3
y	-4	1	6	11

In Exercises 5–8, find the slope and the y -intercept of the graph of the linear equation.

5. $y = 12$

6. $-3x + y = 7$

7. $-4x = 9 - 2y$

8. $0 = 2 - 3y + 12x$

In Exercises 9–12, graph the linear equation. Identify the x -intercept.

9. $y = x$

10. $x + 3y = 9$

11. $-y + 2x = 0$

12. $3x - y + 1 = 0$

13. A linear function g models the growth of your hair. On average, the length of a hair strand increases 1.25 centimeters every month.

a. Graph g when $g(0) = 10$.

b. Identify the slope and interpret the y -intercept of the graph.

c. By how much, in inches, does the length of a hair strand increase each month?

In Exercises 14 and 15, find the value of k so that the graph of the equation has the given slope or y -intercept.

14. $y = 6kx - 2$; $m = \frac{2}{3}$

15. $y = -\frac{1}{2}x + \frac{4}{3}k$; $b = -8$