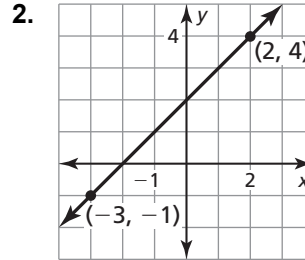
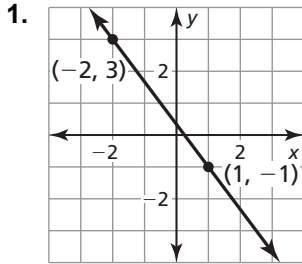


3.5 Practice A

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	-2	1	4	7
y	0	1	2	3

4.

x	0	2	5	7
y	3	3	3	3

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

5. $y = -6x + 2$

6. $y = 7x$

7. $y = -3$

8. $x - y = 9$

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

9. $y = x + 4$

10. $y = \frac{1}{3}x - 1$

11. $y = -2x$

12. $4x + y = 3$

In Exercises 13 and 14, graph the function with the given description. Identify the slope, y -intercept, and x -intercept of the graph.

13. A linear function f models a relationship in which the dependent variable decreases 3 units for every 2 units the independent variable increases. The value of the function at 0 is 5.

14. A linear function g models a relationship in which the dependent variable increases 2 units for every 7 units the independent variable increases. The value of the function at 0 is -1 .