

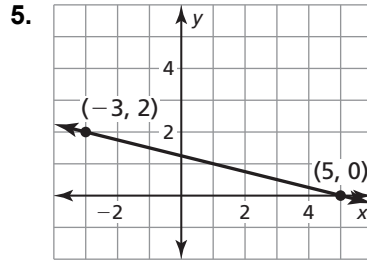
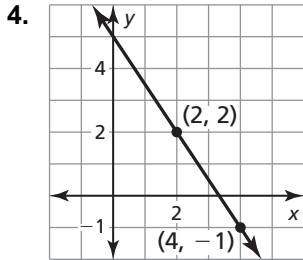
4.2

Practice A

In Exercises 1–3, write an equation in point-slope form of the line that passes through the given point and has the given slope.

1. $(3, 1); m = 4$ 2. $(2, 7); m = -3$ 3. $(4, -3); m = -5$

In Exercises 4 and 5, write an equation in slope-intercept form of the line shown.



In Exercises 6–8, write an equation in slope-intercept form of the line that passes through the given points.

6. $(6, 3), (3, 10)$ 7. $(5, -4), (15, 2)$ 8. $(4, -3), (2, -9)$

In Exercises 9–11, write a linear function f with the given values.

9. $f(1) = 3, f(3) = 4$ 10. $f(6) = 9, f(-5) = 0$ 11. $f(-3) = 5, f(3) = 5$

In Exercises 12 and 13, tell whether the data in the table can be modeled by a linear equation. Explain. If possible, write a linear equation that represents y as a function of x .

12.

x	1	3	5	7	9
y	-2	4	7	14	22

13.

x	-2	0	2	4	6
y	-3	0	3	6	9

14. You are renting a paddle board. The company charges a \$50 fee and \$20 per half-day.
- Write an equation that represents the total cost (in dollars) of renting a paddle board as a function of the number of half-days.
 - Find the total cost of renting a paddle board for 7 half-days.