

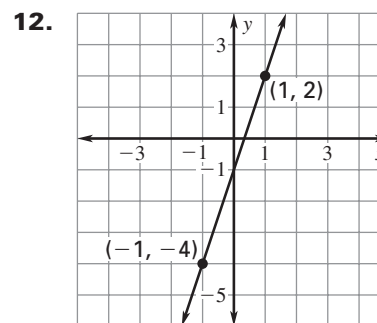
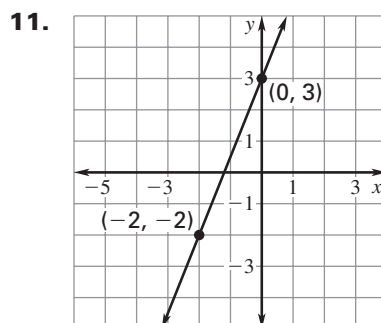
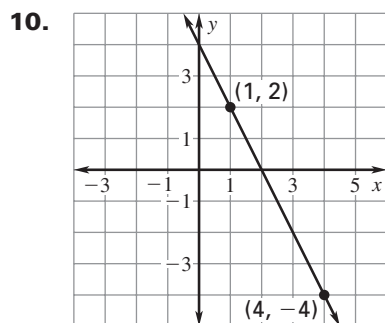
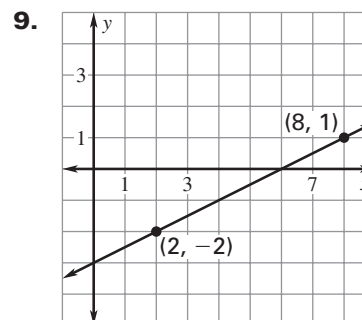
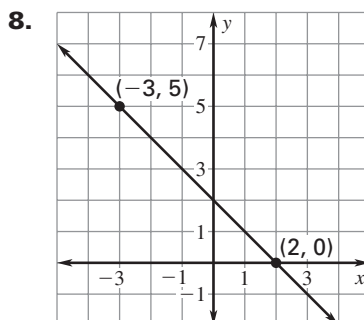
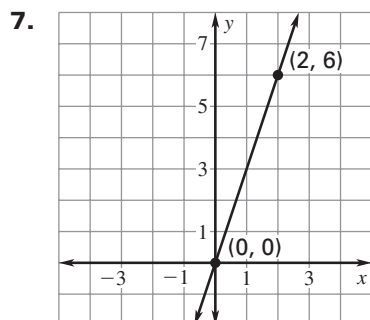
LESSON
5.2**Practice A**

For use with pages 292–299

Write an equation of the line that passes through the given point and has slope m .

1. $(0, 8)$; $m = 3$ 2. $(5, 1)$; $m = 4$ 3. $(-4, 3)$; $m = 2$
 4. $(6, -1)$; $m = 9$ 5. $(3, 4)$; $m = \frac{1}{2}$ 6. $(8, 2)$; $m = -4$

Write an equation of the line shown.



Write an equation of the line that passes through the given points.

13. $(0, 0)$, $(4, -20)$ 14. $(-7, 0)$, $(4, 11)$ 15. $(4, -2)$, $(8, -5)$

Write an equation for the linear function f with the given values.

16. $f(6) = 3$, $f(9) = 15$ 17. $f(0) = 2$, $f(3) = -10$ 18. $f(-2) = -5$, $f(4) = 4$

19. Tae Kwon Do You are taking a Tae Kwon Do class that costs \$15 a month. In addition, you needed to purchase a uniform. You paid a total of \$108 after 6 months. Write an equation that gives the total cost (in dollars) as a function of the length of time you have been taking classes (in months). Find the total cost after 9 months.

20. Refreshments Your school club is making cookies for an upcoming school dance. On the morning of the dance, your group makes 5 batches of dough that yield 7.5 dozen cookies. In the afternoon, your group makes 7 batches of dough that yield 10.5 dozen cookies.

- Write an equation that gives the number of dozen cookies as a function of the number of batches made.
- How many dozen cookies can be made from 12 batches of dough?
- If 12 cookies are in a dozen, how many cookies will 12 batches make?

Algebra 1

Chapter 5 Resource Book