Activity 1
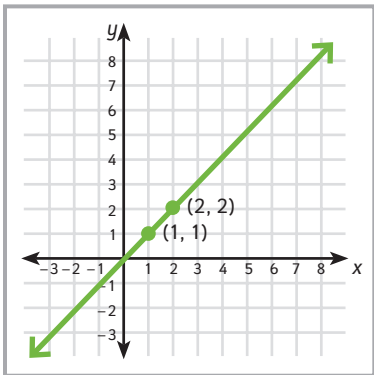
Answer the questions for each of the graphs.

1.

    (2, 2)
    (1, 1)

(a) What is the rise?
(b) What is the run?
(c) What is the slope?
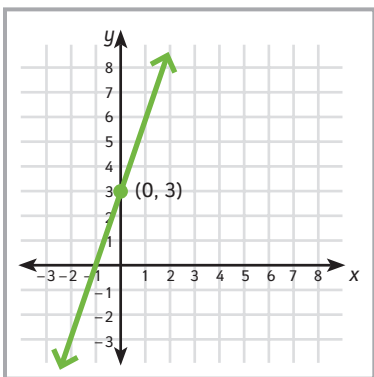
2.

    (1, −2)
    (2, −4)
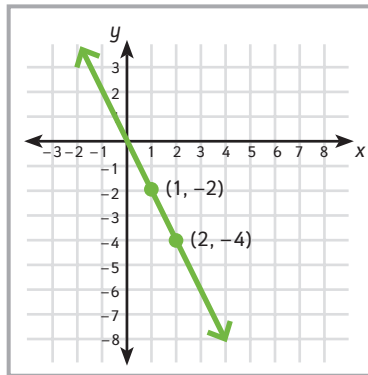
(a) What is the rise?
(b) What is the run?
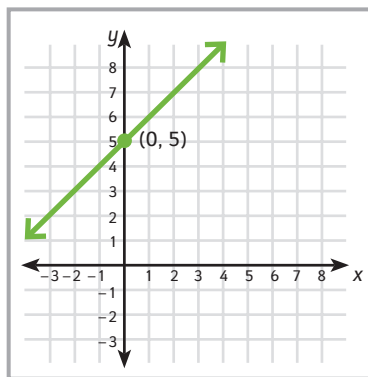(c) What is the slope?

Activity 2

Answer the questions for each of the graphs.

1.

    (0, 3)

(a) At what point does the line cross the *y*-axis?
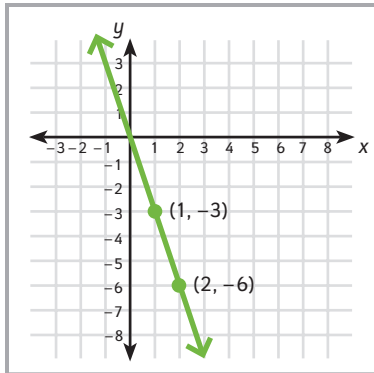(b) What is the *y*-intercept?

2.

    (0, 5)

(a) At what point does the line cross the *y*-axis?
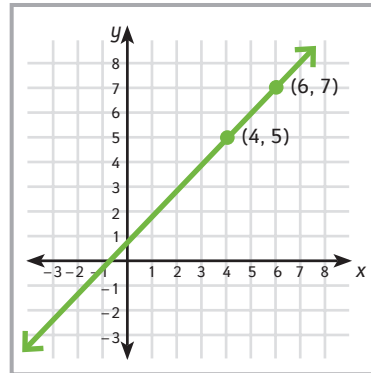(b) What is the *y*-intercept?

Activity 3

Write the equation for the function shown in each graph by finding the slope and intercept.
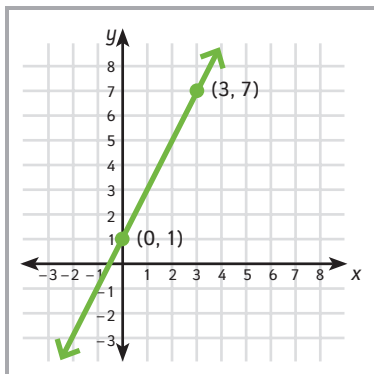
1. What is the equation for this graph?

2. What is the equation for this graph?

3. What is the equation for this graph?

Activity 4 • Distributed Practice

Solve.

1. $3x = 4x + 2$

2. $5x + 3 = 2x + 2$

3. $x + 7 = -2x + 5$

4. $5 - x = 3x + -5$

5. $2x + 10 = -10 + -4x$

6. $-4x = -3x + 4$

7. $-2x - 2 = 2 + -x$

8. $4 - x = 5 + x$