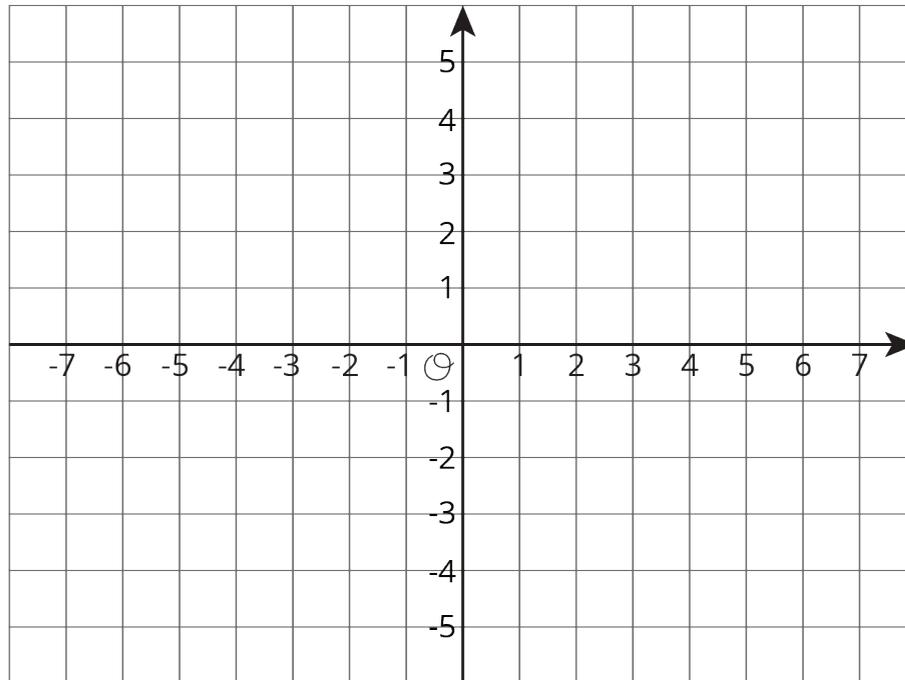


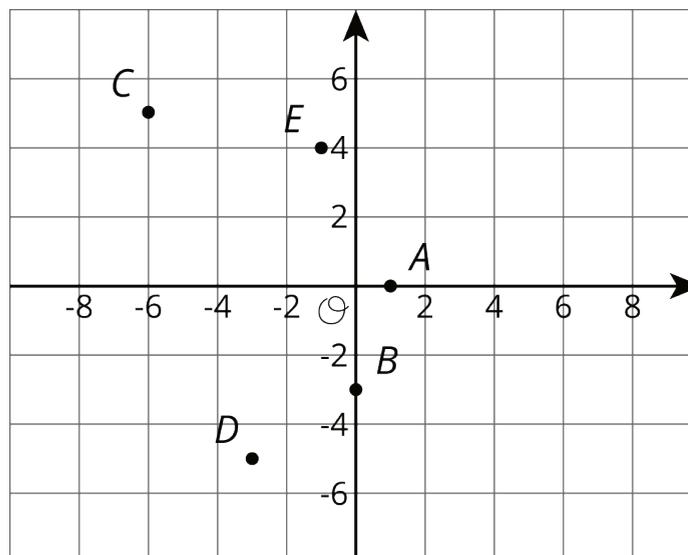
Lesson 11 Practice Problems

1. a. Graph these points in the coordinate plane: $(-2, 3)$, $(2, 3)$, $(-2, -3)$, $(2, -3)$.



- b. Connect all of the points. Describe the figure.

2. Write the coordinates of each point.



3. These three points form a horizontal line: $(-3.5, 4)$, $(0, 4)$, and $(6.2, 4)$. Name two additional points that fall on this line.
4. One night, it is 24°C warmer in Tucson than it was in Minneapolis. If the temperatures in Tucson and Minneapolis are opposites, what is the temperature in Tucson?
- A. -24°C
 - B. -12°C
 - C. 12°C
 - D. 24°C

(From Unit 7, Lesson 2.)

5. Lin ran 29 meters in 10 seconds. She ran at a constant speed.
- a. How far did Lin run every second?
 - b. At this rate, how far can she run in 1 minute?

(From Unit 2, Lesson 9.)

6. Noah is helping his band sell boxes of chocolate to fund a field trip. Each box contains 20 bars and each bar sells for \$1.50.

a. Complete the table for values of m .

boxes sold (b)	money collected (m)
1	
2	
3	
4	
5	
6	
7	
8	

b. Write an equation for the amount of money, m , that will be collected if b boxes of chocolate bars are sold. Which is the independent variable and which is the dependent variable in your equation?

c. Write an equation for the number of boxes, b , that were sold if m dollars were collected. Which is the independent variable and which is the dependent variable in your equation?

(From Unit 6, Lesson 16.)