Chapter **1**

Cumulative Assessment

1. Two points are plotted on the number line below.



Which of the following has the greatest value?

A.
$$W-X$$

C.
$$W + X$$

B.
$$X - W$$

D.
$$X \bullet W$$

2. GRIDDED RESPONSE What is the value of the expression below?

$$12 - 6 \cdot 3$$

3. The temperature at 6:00 P.M. was 15°C. The temperature dropped 2°C per hour. What was the temperature at 4:00 A.M.?

4. Which list shows the integers in order from least to greatest?

A.
$$-8$$
, -5 , 0 , 2 , 6

C.
$$-5$$
, -8 , 0 , 2 , 6

D.
$$0, -8, -5, 2, 6$$

5. The table shows the results of three plays in a football game. What is the net result of the three plays?

G.
$$-8$$
 yards

- Football Game

 1st play 5 yards

 2nd play -9 yards

 3rd play 12 yards
- 6. What is the value of the expression below?

$$|48 \div (-6)| + |-35 \div 7|$$

Chapter

Cumulative Assessment (continued)

- 7. When a = -9 and b = -6, which expression has a value of -3?
 - \mathbf{F} , a+b

 \mathbf{H} . a-b

G. |a + b|

- I. |a-b|
- 8. Which of the following has the greatest value?
 - **A.** |3|

C. -|-5|

B. 0

- D. |-4|
- **9.** You record the daily low temperatures for four days at a ski lodge. What is the mean low temperature?
 - **F.** −16°C
 - **G**. -4°C
 - H. 2.5°C
 - I. 4°C

- Low TemperatureThursday-3°CFriday-6°CSaturday-5°CSunday-2°C
- 10. EXTENDED RESPONSE In each of the equations or inequalities below, find all the integer values of x that make the equation or the pair of inequalities true. Explain your reasoning for each part.

$$Part A \quad |x| = 17$$

Values of x

$$Part B \quad |x+9| = 15$$

Values of x

$$||x - 10|| \le 13 \text{ and } ||x - 10|| \ge 9$$

(Find the values of x that make both inequalities true.)

Values of x