

Chapter
1**Cumulative Assessment** (continued)

7. When $a = -9$ and $b = -6$, which expression has a value of -3 ?

F. $a + b$

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 Temperature	
Thursday	-3°C
Friday	-6°C
Saturday	-5°C
Sunday	-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 $|x| = 17$

Values of x _____

Part B $|x + 9| = 15$

Values of x _____

Part C $|x - 10| \leq 13$ and $|x - 10| \geq 9$

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

Values of x _____