HW 1-2 B

Int 1   **Integers & Absolute Value**   **Unit 1**

Evaluate each expression.

1. $-|-10| =$ ___

2. $|-7|-5 =$ _____

3. $1+|7| =$ _____

4.   The number of yards a football team moves on the field can be represented using the expression $|8|+|-4|$. How many total yards does the football team move?

5.   A scuba diver descended 10 feet, 8 feet, and then 11 feet. The total number of feet can be represented using the expression $|-10|+|-8|+|-11|$. What is the total number of feet the scuba diver descended?

6.   Mr. Chavez spent $199.99 for a new smart phone, $39.99 on a carrying case, and $59.99 on accessories. The expression $|-199.99|+|-39.99|+|-59.99|$ represents the total amount that Mr. Chavez spent. How much did Mr. Chavez spend altogether? Check your answer using estimation.

7.   If $|x| = 3$, what are the possible values of x?

8.   Identify the expression that is not equal to the other three. Explain your reasoning.
         A. $15-|-5|$ B. $|-4|+6$ C. $-|7+3|$ D. $|-10|$

_____

_____

Evaluate each expression.
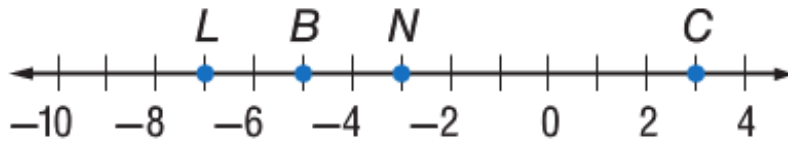
9. $|11-6|+3 =$ _____

11. $|-9|+|5| =$ _____

10. $24-|4+7| =$ _____

12. $|-10| \div 2 \cdot |5|$ _____

13. Rachel recorded the low temperature for one week in the table. On which day was the low temperature the farthest from $0°\,F$?_____

Low Temperatures							
Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Temperature (°F)	2	−6	4	−8	2	0	−1

14. Which point has a coordinate with the greatest absolute value?

    A. Point B   **B.** Point C   **C.** Point L   **D.** Point N

Spiral Review:

15. $\dfrac{7^2 - 5 + 12 - 2^1 + 3(2^2)}{11(2+1)^2}$