

Recall that the absolute value of a number is its distance from zero on a number line.



Since absolute value represents distance, it can never be negative.





The two solutions of the equation are \_\_\_\_\_ and \_\_\_\_\_.

**Example 1**: Solve and check.

a. |x| - 3 = 5

b. 4 = 3|w| - 2

c. |3c-6| = 9

d. |5x-1| = 14



**Example 2**: Is there a solution to the equation 2|n| = -15? Explain.

**Homework**: page 169-171 #1- 19 odd