Name _____   Date _____

Working with Absolute Value - Guided Lesson Explanation

Explanation#1

a) Step 1) Absolute values are positive or zero.

Step 2) The absolute value of a number is its distance from 0.

On a number line, 4 is 4 units to the right of 0.

4 is the absolute value of 4.

b) Step 1) Absolute values are positive or zero.

Step 2) The absolute value of a number is its distance from 0.

On a number line, -27 is 27 units to the left of 0.

27 is the absolute value of -27 .

c) Step 1) Absolute values are positive or zero.

Step 2) The absolute value of a number is its distance from 0.

On a number line, -18 is 18 units to the left of 0.

18 is the absolute value of -18.

Explanation#2

a) Step 1) Absolute values are positive or zero.

Step 2) The number inside the sign $| \ |$ when comes out, becomes positive.

$-6 + |-4|$ = $-6 + 4 = -2$

Answer is -2

b) Step 1) Absolute values are positive or zero.

Step 2) The number inside the sign $| \ |$ when comes out, becomes positive.

$8 - |-4|$ = $8 - 4 = 4$

Answer is 4

c) Step 1) Absolute values are positive or zero.

Step 2) The number inside the sign $||$ when comes out, becomes positive.

 $-|-4| - |9|$ =   -4 - 9 = -13

Answer is -13

Explanation#3

Step 1a) Absolute values are positive or zero.

Step 2a) The number inside the sign $||$ when comes out, becomes positive.

-8 + $|4|$

-8 + 4 = -4

Answer is -4.

b) Step 1) Absolute values are positive or zero.

Step 2) The number inside the sign $||$ when comes out, becomes positive.

 $-|-1| - 7$

 -1 - 7 = -8

Answer is -8.

c) Step 1) Absolute values are positive or zero.

Step 2) The number inside the sign $||$ when comes out, becomes positive.

 $|5| - |-3|$ =   5 - 3 = 2

Answer is 2.