

Absolute Value and Opposites Definitions and Rules

Opposite: two numbers, a and b are said to be opposite if $a+b=0$
(+6) and (-6) are opposite numbers, because $6 + -6 = 0$

Absolute Value: the distance of the number from the zero on a number line and is indicated by two vertical lines surrounding the number $||$

The absolute value of -8 is 8. Thus, $|-8| = 8$

$$|5 - 8| = |-3| = 3$$

$$-|13 - 7| = -|6| = -6$$