Answer on Question #49682 – Math – Algebra

how do write an absolute value function

Solution.

The absolute value function is defined by

$$|x| = \begin{cases} x, & x > 0 \\ 0, & x = 0 \\ -x, & x < 0 \end{cases} \quad \text{or} \quad |x| = \begin{cases} x, & x \geq 0 \\ -x, & x < 0 \end{cases}$$