

Absolute Value

The absolute value of an integer is it's distance
from zero.

The notation $|x|$ is used for the absolute value on an
unknown integer.

<u>Define:</u> A #'s distance from zero	<u>Characteristics:</u> $ -2 $ ← symbol for absolute value * Absolute value is never negative
$ -7 = 7$ $ 7 = 7$ $ -1 = 1$ $ 1 = 1$ Examples	$-\frac{1}{2}, -7, -.6$ Nonexamples

1. $|-4| = 4$ 2. $-|18| = -18$ 3. $|2| = 2$ 4. $-|-7| = -7$

5. $|15| + |14| = 29$ 6. $|-9| - |5| = 4$ 7. $|-5| - |-2| = 3$

8. $\frac{|15|}{|-5|} = 3$ 9. $|-8| \times |8| = 64$ 10. $|-10| - |-8| + |2| = 4$