

Absolute Value Worksheet Answer Key

Half-Full, Half-Empty, or Both?

Evaluate.

1. $|0|$

$$0$$

6. $|3 + (-7)|$

$$|3 - 7| = |-4| = 4$$

2. $|-2.34|$

$$2.34$$

7. $\left|\frac{2^2}{4-8}\right|$

$$\left|\frac{4}{-4}\right| = |-1| = 1$$

3. $|\sqrt{4}|$

$$2$$

8. $|a + b|$

$$|a + b| = \begin{cases} a + b & \text{if } a + b \geq 0 \\ -a - b & \text{if } a + b < 0 \end{cases}$$

4. $\left|\frac{-5}{17}\right|$

$$\frac{5}{17}$$

9. $|-x^2 - y^2|$

$$|-(x^2 + y^2)| = x^2 + y^2$$

5. $|x^2|$

$$x^2$$

10. $|4x - 3|$

$$|4x - 3| = \begin{cases} 4x - 3 & \text{if } x \geq \frac{3}{4} \\ -a - b & \text{if } x < \frac{3}{4} \end{cases}$$

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