

Absolute Values

Simplify the expressions.

1. $|-5|$

2. $|18|$

3. $|-a|$

Solve each equation.

1. $|x - 2| = 10$

5. $|2 - x| + 3 = 8$

2. $3|a| = 21$

6. $2|x - 2| = 10$

3. $|-4b| = 16$

7. $9|x| + 2 = 38$

4. $|x| - 6 = 14$

8. $|-6 + b| = 13$

$$9. |2x + 9| = 17$$

$$12. \frac{|7x+2|}{8} = 3$$

$$10. -|3x - 2| = -28$$

$$13. -5 + |6r + 3| = 34$$

$$11. \frac{|-4x+9|}{8} = -1$$

