

OBJECTIVE: To solve absolute value equations with the variable on one side.

Solve each equation. Then, check your solution.

1. $|x + 4| = 17$

2. $3|x - 9| = 33$

3. $|4 + 7x| - 8 = 22$

4. $-4|2x - 1| = -40$

5. $8|x - 9| + 2 = 18$

6. $|-7x + 11| = -38$

7. $3|5 + 9x| = 48$

8. $2|-3 - 9x| = 12$

Jumbled Answers

-1	7	$\frac{26}{7}$	20	-21
No solution	$\frac{11}{2}$	$-\frac{7}{3}$	-2	$\frac{1}{3}$
11	$-\frac{9}{2}$	13	$\frac{11}{9}$	$-\frac{34}{7}$