

Algebra 1

Homework – Solving Absolute Value Equations

Name: _____

For questions 1—2, solve each absolute value equation..

1. $2|x - 3| + 1 = 5$

1. _____

2. $4|5x - 3| + 6 = 30$

2. _____

3. What is the solution(s) for x in the equation $6|x - 2| + 4 = 40$?

3. _____

4. Explain whether $x = -5$ or $x = -9$ are solutions for x in the equation $-8|x + 7| - 5 = 11$.

4. _____

5. Find the x -intercepts of the equation $f(x) = 4(x - 3)^2 - 16$.

5. _____