

Name: **Answers Only — Show all work for Full Credit**

Unit 2 – Day 1 Homework – Solving Absolute Value Equations

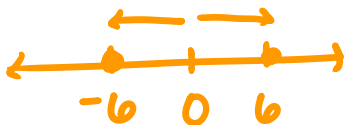


For the following exercises, solve for the given variable. Show all of your work ☺



1. $|x| = 6$

$x = 6, -6$



2. $|x + 18| = 7$

$x = -11, -25$

3. $23 = |x - 6|$

$x = 29, -17$

4. $|9 - 4x| = 45$

$x = -9, 13.5$

5. $|5x - 7| = 42$

$x = 9.8, -7$

6. $|2x + 3| = 15$

$x = 6, -9$

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