

SECTION 1.4: SOLVING ABSOLUTE VALUE EQUATIONS – PART 2

Homework: _____

Learning Targets:

- 4a. Understanding of how solve absolute value equations

Steps for Solving Absolute Value Equations

Step 1: Get the A.V. alone

Step 2: Determine if it is possible

Step 3: Break down into the 2 equations

Step 4: Solve each equation

Step 5: Check for **Extraneous Solutions**

Example A:

$$3 + 2|x - 4| = 7$$

Example B:

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