

Algebra I

Notes 4.6, Part 2 Solving Multi-Step Equations (two-sided variable)

Objective: Solve two-step equations with the variable on both sides.

To solve a 2-step equation WITH THE SAME VARIABLE ON BOTH SIDES OF THE EQUATION, follow these steps:

Step 1. _____

Step 2. _____

Step 3. _____

Step 4. Box and check your solution.

Apply these steps to these examples:

Example 1

$$12x - 7 = 3x + 20$$

Example 2

$$8 - 8h = 23 - 3h$$

Review the steps you used to solve these equations:

Step 1. _____

Step 2. _____

Step 3. _____

Step 4. Box and check your solution.

Step 1. _____

Step 2. _____

Step 3. _____

Step 4. Box and check your solution.

Classroom Practice

$$\textcircled{1} 12t - 19 = 15t + 8$$

$$\textcircled{2} 13 - 6x = 6x + 1$$

$$\textcircled{3} 4y - 11 = 9 - 4y$$

$$\textcircled{4} 15b + 14 = 5b + 4$$

$$\textcircled{5} 30w - 50 = 12w - 14$$