

Name

9/12 or 9/13

Alg I

Solve Equations With Variables on Both Sides

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Example 4:

$$8) \quad 9z + 12 = 9(z + 3)$$

$$\begin{array}{r} 9z + 12 = 9z + 27 \\ -9z \quad -9z \\ \hline 12 = 27 \end{array}$$

$$12 = 27$$

No Solution

$$9) \quad 7w + 1 = 8w + 1$$

$$\begin{array}{r} 7w + 1 = 8w + 1 \\ -7w \quad -7w \\ \hline 1 = w + 1 \end{array}$$

$$\begin{array}{r} 1 = w + 1 \\ -1 \quad -1 \\ \hline w = 0 \end{array}$$

w = 0

$$10) \quad 3(2a + 2) = 2(3a + 3)$$

$$6a + 6 = 6a + 6$$

Identity - All Real Numbers

Identity: An equation that is true for all values of the variable.

I can solve equations with variables on both sides.

Ch. 2 Quiz 9/21
or 9/22 Ch. 1/2
Test 9/23 or
9/26

* Skills Practice,
pg. 107, # 7, 11, 20