

Name _____ Period _____ Date _____

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Solving Equations with Variables on Both Sides #5 (page 1)

1. $8y - 3 = 17 - 2y$

2. $9w - 2w + 8 = 4w + 38$

3. $.16x + 17(.02x + 1) = 23$

4. $7(x - 1) = 3\left(x + \frac{1}{3}\right)$

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Solving Equations with Variables on Both Sides #5 (page 2)

For each linear equation in the table, indicate whether the equation has *no solution*, *one solution*, or *infinite many solutions* by **placing a check** in the appropriate column.

Equation	No Solution	One Solution	Infinite Solutions
$2(3x + 4) = 6x + 8$			
$2x - 5 = 5$			
$3x - 1 = -3x - 1$			
$-2x + 11 = -2x - 11$			

Show work for each or explain your reasoning :

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