math Antics Worksheets

Name: _____

Date: _____

Solving 2-Step Equations - Set 1

TSE 1

Instructions: Solve each equation.

1. $4x + 7 = 15$

   $-7 \quad -7$

   $\frac{4x}{4} = \frac{8}{4}$

   $x = 2$

2. $2x - 4 = 10$

3. $6 + 3x = 15$

4. $25 = 4 + 7x$

5. $41 = 8x - 23$

6. $5x - 12 = 18$

7. $9x + 7 = 88$

8. $25 = 3x - 8$

9. $1 + 10x = 91$

10. $16 = 12 + 4x$

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Solving 2-Step Equations - Set 2

TSE 2

Instructions: Solve each equation.

1 $\frac{x}{4} + 5 = 12$

$-5 \quad -5$

$(4)\frac{x}{4} = 7(4)$

$x = 28$

2 $\frac{x}{2} - 3 = 9$

3 $\frac{x}{6} + 15 = 20$

4 $35 = 11 + 6x$

5 $5x + 20 = 75$

6 $8 + \frac{x}{9} = 14$

7 $11 = \frac{x}{2} - 7$

8 $4x - 11 = 5$

9 $21 = 21 + 7x$

10 $\frac{x}{12} - 9 = 1$

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Solving 2-Step Equations (with Groups)

TSE 3

Instructions: Solve each equation.

1 $\frac{3(x-5)}{3} = \frac{18}{3}$

$x - 5 = 6$

$+5 \quad +5$

$x = 11$

2 $5(x+6) = 40$

3 $\frac{x+9}{2} = 5$

4 $\frac{x-15}{4} = 3$

5 $32 = 8(x+1)$

6 $\frac{3+x}{7} = 4$

7 $\frac{x-10}{9} = 7$

8 $6(x-11) = 42$

9 $10(x+2) = 70$

10 $\frac{x+5}{4} = 14$

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Solving 2-Step Equations (with negative numbers)

TSE 6

Instructions: Solve each equation.

1. $-5 + 2x = -17$

2. $-9(x - 9) = 27$

3. $\frac{x + (-3)}{-5} = -6$

4. $\frac{x + 15}{-3} = -2$

5. $3(x - 8) = -60$

6. $\frac{x}{-2} + 10 = -3$

7. $\frac{x + 8}{-6} = 2$

8. $-3x - 3 = -15$

9. $\frac{x}{-9} - 1 = 9$

10. $\frac{x - 12}{-7} = 4$