

Wisdom Lane Middle School  
Name: \_\_\_\_\_  
Teacher: Mr. Tomeo

# Homework #15

Date: \_\_\_\_\_  
Period: \_\_\_\_\_

## Multistep Equations -Mixed

Solve each of the following equations for the unknown variable. Various methods will be used.

1.  $2(x-1) + 3x = 3$

6.  $2(3x-1) + 2(4x+5) = 8$

2.  $3(m+1) - 2m = 0$

7.  $7(5a-4) - 1 = 14 - 8a$

3.  $-\frac{1}{2}(b+2) + 3b = -1$

8.  $3(1-3x) = 2(-4x+7)$

4.  $2(2x+3) - 2 = 5$

9.  $-7x - 3x + 2 = -8x - 8$

5.  $-(x+3) + \frac{3}{4}x + 5 = 0$

10.  $7a - 3 = 3 + 6a$

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$$11. -10 + x + 4 - 5 = 7x - 5$$

$$16. 13 - 4x = 1 - x$$

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$$12. 4n - 40 = 7(2 - 2n)$$

$$17. -14 + 6b + 7 - 2b = 1 + 5b$$

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$$13. -6n - 20 = -2n + 4(1 - 3n)$$

$$18. -31 - 4x = -5 - 5(5x + 1)$$

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$$14. -3(6r + 1) = 14 - r$$

$$19. 12(2k + 11) = 12(2k + 12)$$

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$$15. -12(x - 12) = -9(7x + 1)$$

$$20. 38 + 7k = 8(k + 4)$$

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