

Wisdom Lane Middle School
Name: _____
Teacher: Mr. Tomeo

Homework #12

Date: _____
Period: _____

Variables on Both Sides

Solve each of the following equations for the unknown variable. Leave decimal answers as a fraction.

1. $9x - 6 = 3x + 30$

6. $6x + 11 = -6x + 5$

2. $-x - 2 = 6x - 12$

7. $1 + 4x = -5 + 7x$

3. $2x + 6 = 3x + 6$

8. $5r - 2 = 6r + 5$

4. $-5x + 3 = 2x + 10$

9. $5x + 7 = -14 + 8x$

5. $-9x = 24 - 9x$

10. $-2 + 5n = 4n + 2$

$$11. 4p - 3 = -9 + 7p$$

$$16. 16 - 2n = 4n - 20$$

$$12. 3 + 5n = 8n + 3$$

$$17. -6k = -5k - 4$$

$$13. 5x + 12 = 4x + 6$$

$$18. 7x - 9 = 4x$$

$$14. 12b - 4 = 9 - b$$

$$19. 10x - 2 = -4x + 40$$

$$15. 36r - 18 = -18 + 4r$$

$$20. -2x + 3 = 26x - 4$$
