

Equations with Variables on Both Sides - Practice Worksheet

Name: _____ Date: _____

Instructions: Solve each equation for the variable. Show all steps. Check your answer by substituting it back into the original equation.

1. $3x + 5 = x + 11$

.....

2. $4y - 2 = 2y + 8$

.....

3. $6n + 1 = 2n + 13$

.....

4. $5m - 4 = 2m + 11$

.....

5. $7t + 3 = 4t + 18$

.....

6. $2x + 9 = 5x - 6$

.....

7. $8a - 7 = 3a + 13$

.....

8. $10b + 2 = 6b + 22$

.....

9. $3(x + 4) = 2x + 15$

.....

10. $4(2x - 1) = 5x + 14$

.....

11. $2(3x + 5) = 4(x + 6)$

.....

12. $5(x - 2) = 3(x + 4)$

.....

Answer Key

1. $x = 3$

2. $y = 5$

3. $n = 3$

4. $m = 5$

5. $t = 5$

6. $x = 5$

7. $a = 4$

8. $b = 5$

9. $x = 3$

10. $x = 6$

11. $x = 7$

12. $x = 11$