

Multi-Step Equations - 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. $2x + 3 = 11$

.....

2. $3x - 5 = 16$

.....

3. $4x + 2 = 3x + 9$

.....

4. $2(x + 4) = 18$

.....

5. $5x - 3 = 2x + 12$

.....

6. $3(2x - 1) = 15$

.....

7. $4(x + 3) - 2 = 2x + 14$

.....

8. $6x - (2x + 4) = 20$

.....

9. $3(x - 2) + 4x = 2(x + 5)$

.....

10. $2(3x - 4) = 3(x + 2) + 1$

.....

Answer Key

1. $x = 4$

2. $x = 7$

3. $x = 7$

4. $x = 5$

5. $x = 5$

6. $x = 3$

7. $x = 2$

8. $x = 6$

9. $x = 4$

10. $x = 5$