

Balancing Equations - Practice Worksheet

Name: _____ Date: _____

Instructions: Balance each equation by finding the value of the unknown variable or the missing coefficient. Show your working for full credit.

1. $x + 5 = 12$

.....

2. $3x = 21$

.....

3. $x - 8 = 15$

.....

4. $2x + 4 = 14$

.....

5. $5x - 3 = 22$

.....

6. $3x + 7 = 2x + 12$

.....

7. $4(x + 2) = 24$

.....

8. $2(3x - 1) = 16$

.....

9. $(x/3) + 4 = 9$

.....

10. $2x^2 = 50$

.....

Answer Key

1. $x = 7$

2. $x = 7$

3. $x = 23$

4. $x = 5$

5. $x = 5$

6. $x = 5$

7. $x = 4$

8. $x = 3$

9. $x = 15$

10. $x = 5$ (positive solution)