

Solving Quadratic Equations by Factoring - Practice Worksheet

Name: _____ Date: _____

Instructions: Solve each quadratic equation by factoring. Write the equation in standard form first, then factor and apply the Zero Product Property to find both solutions.

1. $x^2 + 5x + 6 = 0$

.....

2. $x^2 - 7x + 12 = 0$

.....

3. $x^2 + 2x - 8 = 0$

.....

4. $x^2 - x - 6 = 0$

.....

5. $x^2 - 9 = 0$

.....

6. $2x^2 + 7x + 3 = 0$

.....

7. $3x^2 - 10x + 3 = 0$

.....

8. $x^2 + 6x + 9 = 0$

.....

9. $2x^2 - 5x - 12 = 0$

.....

10. $6x^2 + x - 2 = 0$

.....

Answer Key

1. $x = -2, x = -3$

2. $x = 3, x = 4$

3. $x = 2, x = -4$

4. $x = 3, x = -2$

5. $x = 3, x = -3$

6. $x = -1/2, x = -3$

7. $x = 1/3, x = 3$

8. $x = -3$ (double root)

9. $x = 4, x = -3/2$

10. $x = 1/2, x = -2/3$