

Unit 8: Quadratic Equations

PRACTICE

Name: _____ Date: _____

Solve each quadratic equation. Give exact answers; separate the two solutions with a comma.

1. Solve by factoring: $x^2 - 7x + 12 = 0$

Answer: _____

2. Solve by factoring: $x^2 + 5x - 14 = 0$

Answer: _____

3. Solve by factoring: $x^2 - 9x = 0$

Answer: _____

4. Solve: $x^2 - 25 = 0$

Answer: _____

5. Solve by factoring: $2x^2 + 7x + 3 = 0$

Answer: _____

6. Solve using the square root method: $(x - 4)^2 = 49$

Answer: _____

7. Solve using the square root method: $x^2 = 81$

Answer: _____

8. Solve by completing the square: $x^2 + 6x + 5 = 0$

Answer: _____

9. Solve by completing the square: $x^2 - 8x + 7 = 0$

Answer: _____

10. Solve using the quadratic formula: $x^2 + 3x - 10 = 0$

Answer: _____

11. Solve using the quadratic formula: $x^2 - 2x - 8 = 0$

Answer: _____

12. Solve using the quadratic formula: $x^2 - 6x + 9 = 0$

Answer: _____