

Name:

Date:

Period:

Unit 9 Practice Test

Quadratic Equations

For each equation, show clear steps and solve completely.

9.1: Solve these equations by taking the square root of both sides.

$$x^2 = 16$$

$$x^2 + 12 = 15$$

9.2: Solve these equations by factoring.

$$x^2 - 2x - 48 = 0$$

$$2x^2 - 2x + 5 = -8x + x^2$$

9.3: Solve these equations by completing the square.

$$2x^2 - 12x = 32$$

$$x^2 + 2x - 24 = 24$$

9.4: Solve these equations by using the quadratic formula.

$$3x^2 - 12x - 60 = 0$$

$$2x^2 - 4x - 8 = x^2 - 6x - 9$$