

Algebra 2

3-03 Solve Quadratic Equations by Graphing and Finding Square Roots (3.1)

Solving Quadratic Equations by

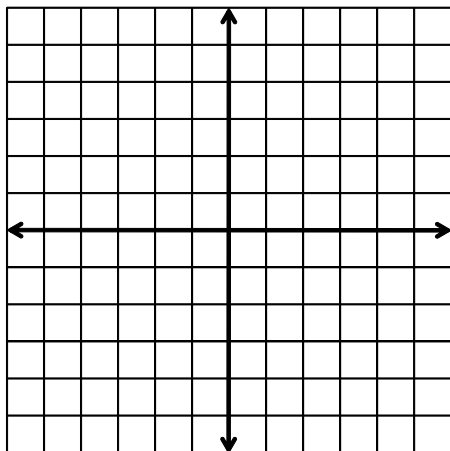
Graphing

1. Make the equation equal _____.
2. _____ the equation.
3. Find the x -values of the _____.

Square Roots

1. Solve for the _____ expression.
2. Take a _____. Remember to put _____.
3. Finish _____ for x .
4. _____ your solutions.

Solve by graphing $x^2 - 2x - 3 = 0$



Solve by using square roots.

$$2x^2 + 14 = 70$$

$$4x^2 + 20 = 16$$

$$\frac{3}{4}(x + 1)^2 = 10$$

$$2x^2 = 5x^2 + 24$$

A fruit stand charges \$3 per pound of apples and sells 20 pounds each day. They try dropping the price by \$0.50 and sell 5 more pounds a day. How much should the fruit stand charge to maximize their daily revenue? What is their maximum daily revenue?

95 #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 20, 33, 35, 49, 50, Mixed Review = 20