


A quadratic equation is an equation in the form

$$0 = ax^2 + bx + c$$

Quadratic equations can be solved by...

1. Factoring
2. Taking Square Root
3. Completing the Square
-  4. Quadratic Formula

Given the following quadratic equation,

$$ax^2 + bx + c = 0$$

$$a = \quad b = \quad c =$$

the solutions or roots are...

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Solve the following quadratics with the quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

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

Solve the following quadratics with the quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$3x^2 - 5x + 1 = 0$$

Solve the following quadratics with the quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x^2 + 6x + 4 = 0$$

Solve the following quadratics with the quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$2x^2 + 4x + 4 = 0$$

Solve the following quadratics with the quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

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

Solve the following quadratics with the quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$2x^2 + 4x + 5 = 0$$

Given the following quadratic equation,

$$ax^2 + bx + c = 0$$

$$a = \quad b = \quad c =$$

the solutions or roots are...

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$