

Objective 4 - Solving Quadratic Equations with Quadratic Formula

Solving quadratic equations using the Quadratic Formula.

[Link to section in online textbook.](#)

First, watch [this video](#) to learn how to solve quadratic equations using the Quadratic Formula. Remember: this method will **always** work, but may not be the easiest method.

Now practice solving quadratic equations with the quadratic formula.

Question 1 Solve the quadratic below.

$$-9x^2 - 2x + 3 = 0$$

Smaller solution: $x =$

Larger solution: $x =$

Question 2 Solve the quadratic below.

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

Smaller solution: $x =$

Larger solution: $x =$

Question 3 Solve the quadratic below.

$$4x^2 + 9x - 7 = 0$$

Smaller solution: $x =$

Larger solution: $x =$

Learning outcomes: Understand and solve quadratic equations.
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