

Lesson 1.5 & 1.6: Solving Equations & Modeling with Equations

Solving Equations

“Undoing” Operations:

Solving Quadratic Equations

Standard Form of a Quadratic Equation:

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Methods for solving quadratic equations:

- 1.
- 2.
- 3.

The _____ of the general quadratic equation $ax^2 + bx + c = 0$ ($a \neq 0$) is calculated by the equation _____ .

The discriminant tells us the _____ of solutions a quadratic equation has.

Three Cases	

Modeling with Equations

Guideline for Modeling with Equations:

Problems Involving Simple Interest

_____ is an annual percentage of the total amount borrowed or deposited.

Example:

\$1,000 is deposited at 5% simple interest annually. How much interest has been accrued after 3 years?