

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

# TOTINO-GRACE 9TH GRADE PLACEMENT EXAM

## ALGEBRA TOPICS:

Sets of Numbers

Order of Operations

Evaluating and Simplifying Expressions

Solving and Writing Proportions

Graphing Ordered Pairs/Lines

Writing Equations of Lines

Solving/Writing & Graphing Inequalities

Solving and Graphing Systems of Equations

Simplifying Exponential Expressions

Simplifying Rational Expressions

Simplifying Polynomials

Factoring and Solving Quadratics

Quadratic Formula



FOIL  
 $(a + b)(c + d)$

$b^2 = c^2$