



Algebra 2
Quadratic Formula Notes

Today I will...	I'll know I've got it when...	Essential Question...

Quadratic Formula:

Example 1 Solve $2x^2 + x = 5$ using the Quadratic Formula

Example 2: Solve $x^2 - x = 5x - 9$ using the Quadratic Formula.

Example 3 Solve $-x^2 + 2x = 2$ using the Quadratic Formula

Example 4 Solve $6x^2 - 4x = 3$ using the Quadratic Formula

When is the quadratic formula a good method to use for solving a quadratic equation?

What is the discriminant?

Example 5: Determine the number and type of solutions for $x^2 + 5x + 2 = 0$

Example You Try: Determine the number and type of solutions for each equation below. Using that information, determine which methods for solving (graphing, factoring, find square roots, quadratic formula, completing the square) would be appropriate to use in solving the quadratic equation.

Equation	$x^2 - 6x + 10 = 0$	$x^2 - 6x + 9 = 0$	$x^2 - 6x + 8 = 0$
Discriminant			
Appropriate Methods For Solving			