Lesson 3.2.4: Applying the Quadratic Formula



By the end of this lesson, I will be able to answer the following questions...

1. What is the quadratic equation/formula?

2. How do I use the quadratic formula to solve a quadratic equation?

3. What is the discriminant and what does it do?

Vocabulary

1. Quadratic Equation

 $Ax^2 + Bx + C$

2. Quadratic Formula

$$\frac{-B \pm \sqrt{B^2 - 4AC}}{2A}$$

3. Discriminant

$$\sqrt{B^2 - 4AC}$$

Prerequisite Skills with Practice

In our "notecard" example of $2x^2 - x - 3$ what exactly did we find?



$5x^2 + 13x + 6 = 0 \qquad x^2 + 8x + 16 = 0$

$x^{2}+8x+30=0$ $-x^{2}+8x-3=0$



THE END



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