

Topic: UNIT 10 QUADRATIC EQUATIONS AND FUNCTIONS PLUS RADICAL EXPRESSIONS

Days: 15
Grade(s):

Subject(s):

Key Learning: **Quadratic functions may be solved in a variety of ways to solve real world scenarios**

Simplification of radical expressions



Unit Essential Question(s):

How are quadratic equations used in real world situations?

How are radical expression simplified?

Concept: GRAPHING	Concept: ALGEBRAIC	Concept: REAL WORLD APPLICATIONS
<p>Lesson Essential Question(s): How do I graph a quadratic equation and why is the equation a parabola? (A)</p> <p>When is the slope of the graph positive and negative in a quadratic equation? (A)</p>	<p>Lesson Essential Question(s): What is the process for solving problems using the quadratic formula? (A)</p> <p>How do you use basic operation to simplify radical expressions ? (A)</p>	<p>Lesson Essential Question(s): How can I solve real world problem that involve quadratic equations? (A)</p>
Vocabulary: roots, slope, parabola, maximum, minimum, axis of symmetry, non linear functions, vertex	Vocabulary: quadratic formula, standard form of quadratic equations, simplest form of a radical expression, rationalizing the denominator	Vocabulary:

Additional Information:
Unit 10 sections 10.1 / 10.2 / 10.4 / 10.6/11.2 (no conjugates) Do p 633 (Venns) OMIT 10.3 / 10.5 / 10.7 / 10.8

Attached Document(s):

Vocab Report for Topic: UNIT 10 QUADRATIC EQUATIONS AND FUNCTIONS PLUS
RADICAL EXPRESSIONS

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Concept: GRAPHING

roots, slope, parabola, maximum, minimum, axis of symmetry, non linear functions, vertex -

Concept: ALGEBRAIC

quadratic formula, standard form of quadratic equations, simplest form of a radical expression, rationalizing the denominator -