



I Can...

Creating Equations

- create and use an appropriate regression model.

Interpreting Functions

- graph absolute value functions using transformations.
- write and graph piecewise functions.
- graph simple quadratic functions using transformations.
- describe the characteristics of the graph of polynomial.
 - End behavior, domain and range, intervals of increase and decrease, relative maximum and minimum, zeros, and degree
- graph radical functions using transformations.
- identify the key characteristics of a quadratic equation.
- graph simple quadratic equations using transformations.

Reasoning With Equations and Inequalities

- solve a quadratic equation by factoring.
- solve a quadratic equation by completing the square.
- solve a quadratic equation using the Quadratic Formula.

Complex Number System

- perform operation with complex numbers.

Arithmetic with Polynomials and Rational Expressions

- solve polynomial equations using factoring methods and relate to an equation and graph.
- solve polynomial equations using the rational root theorem and relate to an equation and graph.
- use and apply the Remainder Theorem.
- use and apply the binomial theorem.
- multiply and divide radical expressions.
- add and subtract radical expressions.
- simplify expressions with rational exponents.