

Functions

- Transformation
- function notation

Rational Radical Expressions, Equations and Functions

- $a^{b/c} = \sqrt[c]{a^b}$ OR $(\sqrt[a]{b})^c$
- $x^{1/2} = \sqrt{x}$ (understood 1 and 2)

Linear and Absolute Value Equations, Inequalities and Functions

- What does an absolute value equation look like?
- System of equations - solve
- inequality
 - ↳ shading
 - ↳ dash or solid line

Exponential and Logarithmic Functions

- the inverse of an exponential function is a logarithm.
- Solve exponential and logarithmic equations
- know the laws.

Quadratic Equations and Functions

- complex numbers - add, subtract, multiply, and divide.
- quadratic formula
- word problems - kicking a soccer ball
- imaginary numbers

Sequences and Series

- arithmetic sequence
- geometric sequence
- finding the term
- finding the sum

Polynomial Expressions, Equations and Functions

- given x-intercepts & y-intercepts you need to write the equation
- binomial theorem
- end behaviors

Data Analysis and Probability

mean, median, mode.