

Catoosa County Public Schools

Teaching and Learning Standards

Every Child, Every Day, Without Exception



District Essential Standards and Learning Targets

2.1 Through multi-step/multi-operational problems, perform mathematical operations on real numbers demonstrating fluency using the order of operations.

- I can perform mathematical operations on real numbers demonstrate fluency through multi-step/multi-operational problems.
- I can demonstrate fluency using the order of operations.

2.3 Apply the rules of exponents to simplify numerical expressions, extending the properties of exponents to rational exponents.

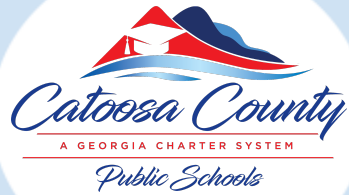
- I can use the rules of exponents to simplify numerical expressions.
- I can rewrite expressions involving radicals and rational exponents using the properties of exponents.

2.4 Perform mathematical operations on real numbers to include numerical radical expressions and complex fractions.

- I can perform operations on real numbers to include numerical radical expressions.
- I can perform operations to simplify complex fractions.

3.4 Solve quadratic equations using a variety of methods.

- I can solve quadratic equations using a variety of methods.



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3.7 Using multiple methods, create and solve systems of linear equations and inequalities.

- I can create and solve system of linear equations using multiple methods.
- I can create and solve system of linear inequalities using multiple methods.

3.8 Solve a simple system of equations consisting of a linear and a quadratic equation in two variables, algebraically and graphically.

- I can solve a simple system of equations with linear and quadratic equations in two variables algebraically.
- I can solve a simple system of equations with linear and quadratic equations in two variables graphically.

4.1 Define a function through maps, sets, equations, and graphs using function notation.

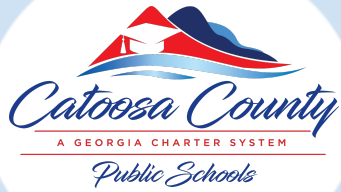
- I can define a function through maps.
- I can define a function through sets.
- I can define a function through equations.
- I can define a function through graphs using function notation.

4.2 Identify and sketch by hand the parent graph of functions expressed algebraically and show key characteristics of the graph using technology.

- I can identify parent graphs of function from a graph.
- I can sketch by hand parent graphs of functions.
- I can identify and show key characteristics of graphs using technology.

4.3 Using tables, graphs, and verbal descriptions, interpret the key characteristics of a function.

- I can use tables to interpret key characteristics of a function.
- I can use graphs to interpret key characteristics of a function.
- I can use verbal descriptions to interpret key characteristics of a function.



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5.1 Use the distance formula, midpoint formula or slope to verify simple geometric properties.

- I can use the distance formula to verify simple geometric properties.
- I can use the midpoint formula to verify simple geometric properties.
- I can use the slope to verify simple geometric properties.

5.5 Apply the Pythagorean Theorem and trigonometric ratios to solve problems involving right triangles.

- I can apply the Pythagorean Theorem to solve problems involving right triangles.
- I can use trigonometric ratios to solve problems involving right triangles.

6.2 Calculate, compare, and interpret shape, center, and spread of two or more univariate data sets, accounting for possible effects of extreme data points.

- I can compare the center and spread of two or more univariate data sets.
- I can interpret the center and spread of two or more univariate data sets.
- I can calculate the center and spread of two or more univariate data sets.
- I can account for the effects of extreme data points on a data set.

6.3 Summarize categorical data for two categories in two-way frequency tables using relative frequencies in the context of the data.

- I can summarize categorical data for two categories in two-way frequency tables using relative frequencies in the context of the data.