**Math Competencies for College Readiness**

Students who are college ready will be able to do the following:

* Add or subtract fractions with difference denominators without variables
* Subtract two integers
* Simplify expressions involving subtraction with integers
* Solve an equation with variables on each side
* Graph a line given its equation using its slope and y-intercept
* Multiply square roots
* Convert between exponential and logarithmic form
* Rationalize a one-term denominator
* Graph vertical and horizontal lines
* Solve a quadratic equation by factoring
* Solve an absolute value equation
* Solve an inequality using the subtraction and addition properties of inequality
* Solve equations using the Division and Multiplication Properties of Equality
* Simplify expressions using the distributive property
* Solve a quadratic equation using the square root property
* Evaluate a logarithmic function
* Factor the greatest common factor from a polynomial
* Factor a difference of squares
* Solve an inequality that requires simplification
* Use the product, quotient, and power properties of logarithms
* Complete a table of solutions to a linear equation in two variables
* Simplify expressions using the commutative and associative properties
* Estimate square roots and approximate square roots
* Identify the slope and y-intercept from an equation of a line and relate a graph to the equation
* Graph an exponential function and understand its properties
* Use the order of operations to simplify complex fractions
* Solve equations with fraction coefficients
* Use the product property to simplify square roots
* Simplify expressions with integer exponents

**English Competencies for College Readiness**

Students who are college ready will be able to do the following:

Read and evaluate an essay, accomplishing the following:

* Identifying the purpose and audience of an essay;
* Evaluating the claim and the effectiveness of the essay's structure;
* Evaluating the sources used to support the claim.

Compose an essay, demonstrating the following:

* A clear purpose and sense of audience;
* Development of ideas that support the central claim or idea;
* Critical thinking that demonstrates an awareness of the central claim's assumptions, as well as the audience's beliefs;
* A clear thesis statement, when relevant;
* Rare errors in grammar and punctuation.