Math 4 Honors

**Unit 3 Learning Goals**

***Rational Functions and Limits***

*Critical Skills Review*

* I can extend skills in manipulating rational expressions into useful equivalent forms.
* I can solve rational equations and inequalities.

*Lesson 3-1: Limits of Polynomial & Rational Functions*

* I can use direct substitution to evaluate the limits of polynomial and rational functions.

***Quiz #1***

*Lesson 3-2: Rational Function Models*

* I can write expressions for rules of rational functions that model patterns in experimental data, geometric curves, and problem conditions.

*Lesson 3-3: Properties of Rational Functions*

* I can identify asymptotes (horizontal, vertical, and oblique) for graphs of rational functions.
* I can analyze rational functions.

***Quiz #2***

*Lesson 3-4: Partial Fraction Decomposition*

* I can find the partial fraction decomposition of a rational expression.

***Unit 3 Test***