Expectation	**Indicators**	**Essential Question**	**Enduring Understanding**
1.1 The student will represent functions and relations numerically, graphically, and algebraically.	**1.1.PC.2 write a rational function or expression in an equivalent form, including partial fractions.** 1.1.PC.11 graph rational functions and describe their properties. **1.1.PC.12 graph rational functions and describe their properties, including limit theory as it applies to determining their asymptotes and removable discontinuities.**		
1.2 The student will describe and apply properties of functions and relations.	1.2.PC.1 describe the properties of rational functions, including domain, range, continuity, end behavior, horizontal and vertical asymptotes. **1.2.PC.2 describe oblique asymptotes of rational functions.**	How do rational functions model real-world problems and their solutions?	The characteristics of rational functions and their representations are useful in solving real-world problems.
1.4 The student will use numerical, algebraic, and graphical representations of functions and relations in order to solve real-world problems.	1.2.PC.6 identify and distinguish between the graphs of linear, quadratic, power, polynomial, rational, exponential, logarithmic, trigonometric, and inverse trigonometric functions. 1.4.PC.3 solve rational equations numerically, graphically, or algebraically. **1.4.PC.4 solve rational inequalities using a numeric method.**		