

Mathematics 3208

Unit: Rational Functions and Rational and Polynomial Inequalities

Relations and Functions	
Specific Outcomes It is expected that students will:	Achievement Indicators
RF2. Graph and analyze rational functions (limited to numerators and denominators that are monomials, binomials or trinomials)	RF2.1 Explain the behaviour of the graph of a rational function for values of the variable near a non-permissible value. RF2.2 Determine if the graph of a rational function will have an asymptote or a hole for a non-permissible value. RF2.3 Sketch the graph of a rational function.
RF3. Solve polynomial and rational inequalities.	RF3.1 Determine the solution of a polynomial inequality (degree less than or equal to 5) in one variable using strategies, such as graphing, roots and test points (sign analysis), and explain the strategy used. RF3.2 Determine the solution of a rational inequality using strategies, such as test points, roots, and non-permissible values (sign analysis), and explain the strategy used.