

# Rational Functions

*This section is an exploration of rational functions; specifically those functions that are made by taking a ratio (ie fraction) of polynomials.*

By the end of this section students should be able to:

- Identify a rational function in expressions and equations
- Determine the implicit (aka natural) domain of a rational expression.
- Solve equalities containing rational expressions.
- Simplify and correctly notate (such as domain restrictions) rational expressions.
- Identify very general endterm behavior of rational functions.