Part 1

We will:

* Quickly review familiar functions
* Define exponential functions
* List the Laws of Exponents
* Solve exponential equations

# Types of Functions encountered in Calc I

1. **Polynomial(s) Functions**
   1. ***Linear functions*** -
   2. ***Quadratic function*** -
   3. ***Cubic Functions*** -
   4. ***…***.
2. **Rational Functions**
   1. Example:
3. **Trigonometric Functions**
4. **Exponential and Logarithmic Functions**
   1. An **exponential function** has the form: