**Converting Words to Mathematics**

**Sum, Greater Than + (add)**

**Difference, Less Than - (subtract)**

**Product, of x (multiply)**

**Quotient, ratio, per / (divide or fraction)**

**Any form of the verb TO BE =**

**(is, will be, was)**

**Results in =**

**Variable a letter such as x or y**

**Constant a number**

**Leading coefficient the number on the highest exponent in equation**

**Degree of a Polynomial the highest exponent value of all the variables in an equation**

**Square, squared put an exponent of 2 (**$x^{2})$

**Cubed put an exponent of 3 (**$x^{3})$

**Square root put the variable or number under the** $\sqrt{}$

**Cube root put the variable or number under the** $\sqrt[3]{}$

**Function each x value has only one y value (satisfies vertical line test)**

**One-to-one function satisfies vertical and horizontal line tests**

**Abscissa x value**

**Ordinate y value**

**Origin (0,0)**

**Domain where the x values exist in a function from lowest to highest**

**Range where the y values exist in a function from lowest to highest**

**Monomial has one term**

**Binomial has two terms**

**Polynomial has more than two terms (“poly” means “many”)**