**Polynomials**

**expression**: a "math phrase" that contains numbers, variables and operations.

\[ 3, \quad x, \quad 3 + x \]

**constant**: known value, unchanging

**variable**: unknown value, could represent infinitely possible values

**coefficient**: number placed before a variable, indicating multiplication

**polynomial**: an expression consisting of variables and coefficients, that involves only the operations of addition, subtraction, multiplication, and non-negative integer exponents of variables.

\[ x, \quad 4 + x, \quad 5x, \quad x^2 + 5x + 4 \]

Mon, Bi, Mon, Tri

[categorize as monomial (1 term), binomial (2 terms), trinomial (3 terms), and so on; where "terms" describe the "words of the phrase" in math]

**degree**: the highest exponent of variables in a polynomial

[from above: degree 1, 0, 1, 2]