6.1 Polynomial Functions

Monomial - one term.

Binomial - two terms.

Trinomial - three terms.

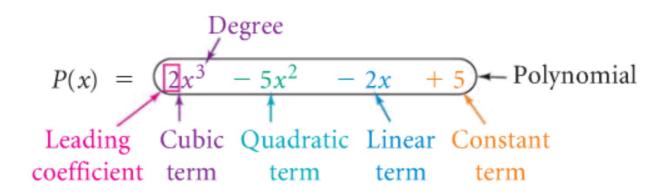
Polynomial - many terms.

Degree - the exponent of a term.

(In a polynomial terms are listed in *decending* order by the degree.)

<u>Degree of a Polynomial</u> - (used to classify polynomials) the largest degree of any term of a polynomial.

*Standard form of a polynomial is written in decending degree order.



Degree	Name Using Degree	Polynomial Example	Number of Terms	Name Using Number of Terms
0	constant	6	1	monomial
1	linear	x + 3	2	binomial
2	quadratic	$3x^2$	1	monomial
3	cubic	$2x^3 - 5x^2 - 2x$	3	trinomial
4	quartic	$x^4 + 3x^2$	2	binomial
5	quintic	$-2x^5 + 3x^2 - x + 4$	4	polynomial of 4 terms