What is a monomial? an expression that is either a real number, a variable, or a product with whole number exponents.

What is a polynomial? Monomial or Sum of monomials

Copy the definition of a Polynomial Function:

P(x) = ax^n + bx^{n-1} + ... + ao

What does "nonnegative integer" mean? (Hint: What does the prefix "non" mean?)

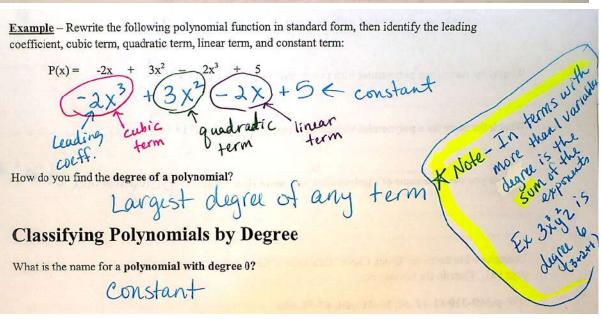
Not negative => positive

How do you find the degree of a term of a polynomial?

Exponent of the variable in the term

What is the "Standard Form" of a polynomial?

Terms in descending order by degree.



What is the name for a polynomial with degree 1? What is the name for a polynomial with degree 2? What is the name for a polynomial with degree 3? What is the name for a polynomial with degree 4? Quartic

What is the name for a polynomial with degree 5? Quintic

Note: There are names for polynomials with degree higher than 5, but we do not use them. If you have a polynomial with degree higher than 5, simply call it "a polynomial of degree n," where n is the degree of the polynomial.

## Classifying Polynomials by Number of Terms

monomial What is the name for a polynomial with one term?

binomial What is the name for a polynomial with two terms?

What is the name for a polynomial with three terms? Trinomia

How do you write the name of a polynomial with more than 3 terms? polynomial of "n" terms