

Polynomial – Sum and/or difference of terms: example: $3x - 2$ and $4x^2 - 5x + 3$
A polynomial with two terms is a binomial. A polynomial with three terms is a trinomial

Polynomial Function – a function of the form $P(x) = a_n x^n + a_{n-1} x^{n-1} + \dots + a_1 x + a_0$ for all real x , where the coefficients are real numbers and n a non negative integer. If $a_n \neq 0$, $P(x)$ is called a real polynomial of degree n .