

Vocabulary of an "equation" or "function"

"equation", "function", "expression"

$$y(x) = \underbrace{a_z x^3}_{\substack{\text{term} \\ \text{coefficient}}} + \underbrace{4\pi x^2}_{\substack{\text{term} \\ \text{coefficient}}} - \underbrace{a_1 x}_{\substack{\text{term} \\ \text{coefficient}}} + \underbrace{a_0}_{\substack{\text{constant} \\ \text{term}}}$$

indicates which symbols are variables,
 subscript of "a"
 "degree" "order"

polynomials

$$y(x) = a \sin(Fx + \phi) + b$$

frequency
 D.C. offset.
 "coefficient" "amplitude"
 phase

trigonometry

$$y(t) = a e^{-\frac{t}{\tau}}$$

time constant
 initial value

exponentials