

Download Polynomial Functions Applications Real Life

Polynomial Functions in Real Life To find the motion of a particle under the influence of gravity, this equation is used: $x = x_0 + v_0 t + \frac{1}{2} a t^2$. The weight, w , of a sick patient can be modeled with this equation: $w = a t^2 + b t + c$. A polynomial isn't as complicated as it sounds, because it's just an algebraic expression with several terms. Usually, polynomials have more than one term, and each term can be a variable, a number or some combination of variables and numbers. Since polynomials are used to describe curves of various types, people use them in the real world to graph curves. For example, roller coaster designers may use polynomials to describe the curves in their rides. Combinations of polynomial functions are sometimes used in economics to do cost analyses, for example.