LG: To solve equations involving cubic and quartic polynomials.

Polynomial:

A polynomial function is a function that can be written in the form:

Where **n** is a **natural number or zero**, and the **coefficients** a0, ..., an are **real numbers** with an **≠ 0**. The **leading term** is anxn (the term of **highest index**) and the **constant term** is a0 (the term **not involving x**).

The **degree** of a polynomial is the **index n** of the **leading term**.

1. Is a polynomial  
   Degree: 3  
   Leading Coefficient: 5  
   Constant Term: 4
2. Is a polynomial  
   Degree: 4  
   Leading Coefficient:   
   Constant Term: 0
3. Is NOT a polynomial