## Chapter 02 Polynomials

## What is inside?

- Introduction
- Geometrical Meaning of the Zeroes of a Polynomial
- Relationship between Zeroes and Coefficients of a Polynomial
- Division Algorithm for Polynomials
- Summary

What are not Myronial:

 $\frac{1}{x+1}$ ,  $\sqrt{x+2}$ ,  $\frac{\sin(x^2+2)}{x^2+2}$  not polynomial

General defor of a phynomial:
Any expression which is of the form,  $p(x) = A_0 + a_1x + a_2x^2 + ... + a_nx^n$ is a phynomial, of degree or, if an \$0.