

MINDMAP

CH- 2

POLYNOMIALS

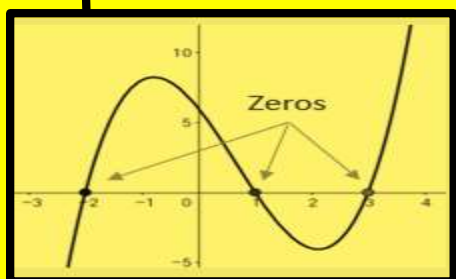
Polynomial	Degree
Linear	1
Quadratic	2
Cubic	3

Degree

POLYNOMIALS

Division Algorithm

Zeroes of quadratic polynomial



Relationship between zeroes and Coefficients

If $p(x)$ and $g(x)$ are two polynomials such that $g(x)$ is not equal to zero then
 $p(x) = g(x) \times q(x) + r(x)$
where $q(x)$ is quotient and $r(x)$ is remainder

If α and β are the zeroes of the polynomial $ax^2 + bx + c$ then
 $\alpha + \beta = -b/a$ and $\alpha\beta = c/a$