

IIT Madras ONLINE DEGREE

Division of Polynomials

Division of a polynomial by a monomial

$$\frac{3x^2+4x+3}{x} = 3x+4+\frac{3}{x}$$

Division of a polynomial by another polynomial

$$\frac{3x^2 + 4x + 3}{2x + 1} = ???$$

Division of Polynomials

$$\frac{3x^2+4x+1}{x+1} = (3x+1)$$

Divide
$$p(x) = x^4+2x^2+3x+2$$
 by $q(x)=x^2+x+1$.

