

## Algebraic Division

Find the values of a,b,c and d

$$1) \frac{x^3 - 2x^2 + 7x - 1}{x + 1} = ax^2 + bx + c + \frac{d}{x + 1}$$

$$2) \frac{x^3 - 2x^2 + 2x - 1}{x^2 + 1} = ax + b + \frac{cx + d}{x^2 + 1}$$

$$3) \frac{4x^3 + x - 4}{2x^2 - x} = ax + b + \frac{cx + d}{2x^2 - x}$$

$$4) \frac{-x^3 - 5x^2 - 4x + 4}{x^2 + 3x + 2} = ax + b + \frac{c}{x + d}$$

1) 1,-3,10,-11

2) 1,-2,1,1

3) 2,1,2,-4

4) -1,-2,4,1