

2.3.23

2.3.25

2.3.26

$$z_0 + z_1 x + z_2 x^2 + \dots + z_k x^k$$

Factoriser

$$(x - z_1)(x - z_2)(x - z_3) \cdot \dots \cdot (x - z_k)$$

Example:

$$P(x) = x^3 + 9x^2 + 11x - 21 \text{ o' factoriser}$$

$$D_{-21} = \{\pm 1, \pm 3, \pm 7, \pm 21\}$$

1	9	11	-21	
1	1	10	21	
1	10	21	0	
-3	-3	-21		
1	7	0		

$$P(x) = (x-1)(x^2 + 10x + 21)$$

$$P(x) = (x-1)(x+3)(x+7)$$

2.3.1 2' 2.3.12

2.3.13

2.3.15

2.3.17

2.3.18

2.3.23

2.3.25

2.3.26