

- ① Completely factor each polynomial
② Determine all of the related roots of the polynomial

Polynomial

Completely factored form Roots

① $3x^2 + 3x - 18 = 0$

② $x^3 - x^2 - 6x = 0$

③ $-3x^2 - 3x + 18 = 0$

④ $x^2 + x - 6 = 0$

⑤ $-4x^2 - 16x - 12 = 0$

⑥ $x^2 - x = 0$

⑦ $-4x - 16 = 0$

⑧ $-2x - 6 = 0$

⑨ ~~$x^3 - 9x = 0$~~

⑩ $3x^2 - 6x - 9 = 0$

⑪ $3x^2 - 12x = 0$

⑫ $x^2 - 2x - 3 = 0$

$$(13) \quad x^3 - 16x = 0$$

$$(14) \quad -4x^2 + 4x + 24 = 0$$

$$(15) \quad x^2 + 2x = 0$$

$$(16) \quad -4x + 8 = 0$$

$$(17) \quad 2x + 6 = 0$$

$$(18) \quad 2x^2 + 10x + 12$$

$$(19) \quad x^2 + 3x + 2$$