

Factor polynomial equations -

Perfect square trinomial

Difference of two squares

Sum of two cubes

Difference of two cubes

Factor by grouping

Factor

$$x^4 + 17x^2 + 72 = 0$$

Factor

$$x^6 - 1 = 0$$

Factor

$$x^3 - 5x^2 + x - 5 = 0$$

Factor

$$x^6 - x^4 - 25x^2 + 25 = 0$$

Factor

$$x^4 - 64x = 0$$

Factor

$$x^4 - 15x^2 + 54 = 0$$

Factor

$$x^4 + 10x^2 + 9 = 0$$

Factor

$$x^3 - 3x^2 - 5x + 15 = 0$$