

## Derivate di polinomi

$$\mathcal{D}(3x^2 + 2x^4 + x^3) = \mathcal{D}(3x^2) + \mathcal{D}(2x^4) + \mathcal{D}(x^3) = 6x + 8x^3 + 3x^2$$

$$\mathcal{D}(x^5 + x) = \mathcal{D}(x^5) + \mathcal{D}(x) = 5x^4 + 1$$

$$\mathcal{D}(2x^6 + 3x) = 12x^5 + 3$$

$$\mathcal{D}(3x^5 + 4x^3 + 2x) = 15x^4 + 12x^2 + 2$$

$$\mathcal{D}(2x^8 + 5x - 2x^3) = 16x^7 + 5 - 6x^2$$

$$\mathcal{D}(x^4 + 5x^2 - x^7) = 4x^3 + 10x - 7x^6$$

$$\mathcal{D}(3x^3 - x^2 - x^4) = 9x^2 - 2x - 4x^3$$

$$\mathcal{D}(x - 2x^5 + x^9) = 1 - 10x^4 + 9x^8$$