

Semplificazione di polinomi

Periodo 1 - UdA 7-8

Semplificare i seguenti polinomi

$$[1] \quad -3x + 2x^2 + x$$

$$[3] \quad -3x + 2x^2 + 1$$

$$[5] \quad -3x^3 + 3x^2 + 3x^2 + x^3$$

$$[7] \quad -3x + x^2 + 2x + 3$$

$$[9] \quad -3 + 3x^2 - x^2 + 3$$

$$[11] \quad -3x + 2 + 2x - x^2$$

$$[13] \quad -3x + 2x^2 + x - 1 + 2x$$

$$[15] \quad -3x + 2x^2 - 2x^2 - x^3 + x$$

$$[17] \quad -3x + 2x^2 + 2x - 2x^2 + x$$

$$[19] \quad -3 - 2x^2 + x - 2x^3 + 2$$

$$[21] \quad -3x + x + 3 + 4x - 3x^2$$

$$[23] \quad x + 2x^3 - 2 - 2x^3 + x$$

$$[25] \quad -2 + 2x^3 + 2x^2 - x^4 + 4x^2$$

$$[27] \quad -3 + 5x^2 + 2 - x^3 + 4$$

$$[2] \quad -3 + 2x^2 - 2x^2$$

$$[4] \quad -3x^3 + x^3 + 2x^3$$

$$[6] \quad 4x^2 - 2 - 2x^2 - 2x^2$$

$$[8] \quad -3x + x^2 - x + 2$$

$$[10] \quad -3x + 2x^2 + 3x - 4$$

$$[12] \quad 9x + 5x + 6x - 9x$$

$$[14] \quad -3x + 2x^2 - 2x - x^3 - 2x^2 + 3x^4$$

$$[16] \quad x^4 - 2x^2 + 4x + 3 + 5x + 2x^5$$

$$[18] \quad -3x + 8x^2 + 5x + 5x^2 - 8x^2 - 2x$$

$$[20] \quad 5x - 2x + x^4 + 2x^3 - 3 - 2x$$

$$[22] \quad -3x^4 + 2 + 2x^4 - 3x^2 + 1 + 2x$$

$$[24] \quad -3x + 2x^2 + 2x - x^2 + x + 3$$

$$[26] \quad -3x + x^4 - x^3 + 3x^2 + 2x - 5$$

$$[28] \quad -3x + 4x^2 + 2 - x^2 - 3x^2 + 3x^4$$

SOLUZIONI

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- [1] $2x^2 - 2x$
- [3] $2x^2 - 3x + 1$
- [5] $-2x^3 + 6x^2$
- [7] $x^2 - x + 3$
- [9] $2x^2$
- [11] $-x^2 - x + 2$
- [13] $2x^2 - 1$
- [15] $-x^3 - 2x$
- [17] 0
- [19] $-2x^3 - 2x^2 + x - 1$
- [21] $-3x^2 + 2x + 3$
- [23] $2x - 2$
- [25] $-x^4 + 2x^3 + 6x^2 - 2$
- [27] $-x^3 + 5x^2 + 3$

- [2] -3
- [4] 0
- [6] -2
- [8] $x^2 - 4x + 2$
- [10] $2x^2 - 4$
- [12] $11x$
- [14] $3x^4 - x^3 - 5x$
- [16] $2x^5 + x^4 - 2x^2 + 9x + 3$
- [18] $5x^2$
- [20] $x^4 + 2x^3 + x - 3$
- [22] $-x^4 - 3x^2 + 2x + 3$
- [24] $x^2 + 3$
- [26] $x^4 - x^3 + 3x^2 - x - 5$
- [28] $3x^4 - 3x + 2$