

$$(6y)^2$$

$$(6b)^2$$

### ESERCIZI "GIAIA"

$$-y^3 + 6x^2y^2 + 12x^4y + 8xb =$$

$$(y)^3$$

$$(2x^2)^3$$

$$= (y + 2x^2)^3 \neq$$

$$-24ab^2 - 27 + a^3b^6 + 9a^2b^4$$

$$(-27)^3 \quad \downarrow \quad (a^3b^6)^3$$

$$= (-3 + ab^2)^3$$

$$- \frac{1}{27} x^3 + \frac{1}{3} x^2y^2 + y^6 - xy^4$$

$$(y^2)^3$$

$$\left(-\frac{1}{3}x\right)$$

$$= \left(-\frac{1}{3}x + y^2\right)^3$$

$$\begin{aligned}
 &= x^5 (x^4 - 1) + 6(x^4 - 1) = \\
 &(x^4 - 1) (x^5 + 6) = \\
 &= (x^2 - 1) (x^2 + 1) (x^5 + 6) \\
 &= (x - 1) (x + 1) (x^2 + 1) (x^5 + 6)
 \end{aligned}$$

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$$\begin{aligned}
 a^{12} - x^8 &= \\
 &= (a^6)^2 - (x^4)^2
 \end{aligned}$$

$$(a^6 + x^4) (a^6 - x^4)$$

a<sup>3</sup>u

$$6x^2 + 2(5-b) = 5(6x^2 + 2) - 6(x^2 + 2)$$

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$$-86^3 x^2 - 26^3 x - 146^2 x^2 = 26x(46^2 x^2 - 16^2 + 1)$$

$$26x(46^2 x - 16^2 + 16x) = 86^3 x - 26^3 x + 1$$

$$18 a^3 - 6a^2 y + 12 a^3 y^2 = 2 a y (9 a^2 y^2 - 3 a y)$$

$$204 (9 a^3 y^2 - 3 a y^3 + 6 a^2 y^3) = 18 a^3 y^3$$