

28/11/2019

$$(A+B)(A-B) = A^2 - B^2$$

$$232 \quad (3a - 4b)(3a + 4b) = 9a^2 - 16b^2$$

$$(2x - y)(2x + y) = 4x^2 - y^2$$

$$233 \quad (a - 2)(a + 2) = a^2 - 4$$

$$(3x - 2)(3x + 2) = 9x^2 - 4$$

$$241 \quad \left(\frac{1}{7}x^2y - z\right)\left(\frac{1}{7}x^2y + z\right) = \frac{1}{49}x^4y^2 - z^2$$

$$242 \quad (-5x^3 - 1)(-5x^3 + 1) = 25x^6 - 1$$

$$247 \quad (x^{n+1} - x^n)(x^{n+1} + x^n) = x^{2n+2} - x^{2n}$$

$$248 \quad (a + 2)(a - 2)(a^2 + 4) = (a^2 - 4)(a^2 + 4) = a^4 - 16$$

QUADRATO DEL BINOMIO

$$(A+B)^2 = (A+B)(A+B) = A^2 + \underline{AB} + \underline{AB} + B^2 =$$

$$= A^2 + 2AB + B^2$$



DOPPIO PRODOTTO DI A E B

$$(A-B)^2 = (A-B)(A-B) = A^2 - \underline{AB} - \underline{AB} + B^2 =$$

$$= A^2 - 2AB + B^2$$

$$(A+B)^2 = A^2 + 2AB + B^2$$

$$(A-B)^2 = A^2 - 2AB + B^2$$

$$(x^2 + 2y)^2 = x^4 + 2 \cdot x^2 \cdot 2y + 4y^2 = x^4 + 4x^2y + 4y^2$$