

Ejercicios de productos notables:

$$(x + 5)^2 =$$

$$(7a + b)^2 =$$

$$(4ab^2 + 6xy^3)^2 =$$

$$(x^{a+1} + y^{b-2})^2 =$$

$$(8 - a)^2 =$$

$$(3x^4 - 5y^2)^2 =$$

$$(x^{a+1} - 4x^{a-2})^2 =$$

$$(5a + 10b)(5a - 10b) =$$

$$(7x^2 - 12y^3)(7x^2 + 12y^3) =$$

$$(x + 4)^3 =$$

$$(5x + 2y)^3 =$$

$$(2x^2y + 4m)^3 =$$

$$(1 - 4y)^3 =$$

$$(3a^3 - 7xy^4)^3 =$$

$$(2x^{a+4} - 8y^{a-1})^3 =$$

$$(x + 5)(x + 3) =$$

$$(a + 9)(a - 6) =$$

$$(y - 12)(y - 7) =$$

$$(4x^3 + 15)(4x^3 + 5) =$$

$$(5y^{a+1} + 4)(5y^{a+1} - 14) =$$

Solución ejercicios productos notables:

- 01 $(x + 5)^2 = x^2 + 10x + 25$
- 02 $(7a + b)^2 = 49a^2 + 14ab + b^2$
- 03 $(4ab^2 + 6xy^3)^2 = 16a^2b^4 + 48ab^2xy^3 + 36x^2y^6$
- 04 $(x^{a+1} + y^{b-2})^2 = x^{2a+2} + 2x^{a+1}y^{b-2} + y^{2b-4}$
- 05 $(8 - a)^2 = 64 - 16a + a^2$
- 06 $(3x^4 - 5y^2)^2 = 9x^8 - 30x^4y^2 + 25y^4$
- 07 $(x^{a+1} - 4x^{a-2})^2 = x^{2a+2} - 8x^{2a-1} + 16x^{2a-4}$
- 08 $(5a + 10b)(5a - 10b) = 25a^2 - 100b^2$
- 09 $(7x^2 - 12y^3)(7x^2 + 12y^3) = 49x^4 - 144y^6$
- 10 $(x + 4)^3 = x^3 + 12x^2 + 48x + 64$
- 11 $(5x + 2y)^3 = 125x^3 + 150x^2y + 60xy^2 + 8y^3$
- 12 $(2x^2y + 4m)^3 = 8x^6y^3 + 48x^4y^2m + 96x^2ym^2 + 64m^3$
- 13 $(1 - 4y)^3 = 1 - 12y + 48y^2 - 64y^3$
- 14 $(3a^3 - 7xy^4)^3 = 27a^9 - 189a^6xy^4 + 441a^3x^2y^8 - 343x^3y^{12}$
- 15 $(2x^{a+4} - 8y^{a-1})^3 = 8x^{3a+12} - 96x^{2a+8}y^{a-1} + 384x^{a+4}y^{3a-3} - 512y^{3a-3}$
- 16 $(x + 5)(x + 3) = x^2 + 8x + 15$
- 17 $(a + 9)(a - 6) = a^2 + 3a - 54$
- 18 $(y - 12)(y - 7) = y^2 - 19y + 84$
- 19 $(4x^3 + 15)(4x^3 + 5) = 16x^6 + 80x^3 + 75$
- 20 $(5y^{a+1} + 4)(5y^{a+1} - 14) = 25y^{2a+2} - 50y^{a+1} - 56$