

Fecha	Nombre	Grado y grupo

### “Diferencia de cuadrados”



Instrucción: Elige la respuesta correcta de cada uno de los siguientes ejercicios

$$4x^2 - 25 =$$

$(2x + 5)(2x + 5)$

$(2x - 5)(2x + 5)$

$(2x - 5)(2x - 5)$

$(4x - 5)(x - 5)$

$$x^6 - 16 =$$

$(x^3 + 8)(x^3 - 2)$

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

$$9x^4 - 36 =$$

$(9x + 6)(x + 6)$

$(3x + 6)(3x - 6)$

$(3x^2 + 6)(3x^2 - 6)$

$(3x^2 - 6)(3x^2 - 6)$





$4x^8 - 64 =$

$x^{12} - y^{10} =$

$(4x^4 + 8)(4x^4 - 8)$

$(x^8 + y^4)(x^4 - y^6)$

$(2x^4 + 8)(2x^4 - 8)$

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

$(2x^4 + 32)(2x^4 - 2)$

$(x^6 + y^5)(x^6 - y^5)$

$(2x^2 + 8)(2x^2 - 8)$

$(x^6 + y^5)(x^6 + y^5)$

$49x^6 - 100 =$

$81x^8 - 225 =$

$(7x^3 + 10)(7x^3 - 10)$

$(9x^6 + 25)(9x^2 - 25)$

$(7x^4 + 10)(7x^2 - 10)$

$(9x^4 + 15)(9x^4 - 15)$

$(7x^3 + 25)(7x^3 - 4)$

$(9x^4 - 15)(9x^4 - 15)$

$(7x^3 - 10)(7x^3 - 10)$

$(9x^6 + 15)(9x^2 - 15)$

TÚ PUEDES



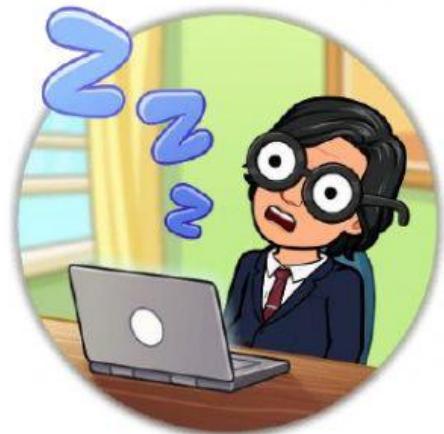
$$36x^2y^4 - 25a^4b^6 =$$

$$(6xy + 5ab)(6xy - 5ab)$$

$$(6xy^2 + 5ab)(6xy^2 - 5ab)$$

$$(6xy^2 + 5a^2b^3)(6xy^2 - 5a^2b^3)$$

$$(6xy^2 - 5a^2b^3)(6xy^2 - 5a^2b^3)$$



$$4x^6y^8 - 16a^8b^4 =$$

$$(4x^3y^4 - 8a^4b^2)(4x^3y^4 - 2a^4b^2)$$

$$(x^3y^4 - 4a^4b^2)(4x^3y^4 + 4a^4b^2)$$

$$(2x^3y^4 - 4a^4b^2)(2x^3y^4 + 4a^4b^2)$$

$$(2x^3y^4 - 4a^4b^2)(2x^3y^4 - 4a^4b^2)$$

$$x^8y^4 - a^6b^2 =$$

$$(x^4y^2 - a^3b)(x^4y^2 - a^3b)$$

$$(x^4y^2 + a^3b)(x^4y^2 - a^3b)$$

$$(x^4y^2 + a^3b)(x^4y^2 + a^3b)$$

