

Nombre:



Diferencia de cuadrados

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

Relaciona las siguientes columnas, arrastra el recuadro correspondiente:

$$x^2 - 16y^2$$

$$9x^2 - 4y^2$$

$$4x^2 - 81y^4$$

$$x^2 - 121$$

$$x^4 - 25y^6$$

$$a^2b^6 - 1$$

$$x^{10} - 36$$

$$100x^2 - 49$$

$$\frac{25}{36} - x^2$$

$$x^{10} - \frac{1}{4}y^{30}$$

$$(2x + 9y^2)(2x - 9y^2)$$

$$(x^5 + \frac{1}{2}y^{15})(x^5 + \frac{1}{2}y^{15})$$

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

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

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

$$(\frac{5}{6} + x)(\frac{5}{6} - x)$$

$$(ab^3 + 1)(ab^3 - 1)$$

$$(x + 11)(x - 11)$$

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

$$(3x - 2y)(3x + 2y)$$

Factor común	$ax + by - az = a(x + b - z)$
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Determina los factores, considerando primero el factor común

$14y^5 - 21bcy^5 + 84y^{15}$		
$ma + ea + a^2 - fa + ac + ta$		
$25x^8y^5 + 35x^3y^5 - 45x^2y^4$		
$54abc^4 - 48a^4b - 18ab^4c$		
$20a^3b^2c^5 + 15a^3b^2c^6 - 5a^2b^4c^4$		
$12x^4y^3z^7 - 4x^2y^2z - 40x^5y^9z^5$		
$75b^3ry^5 + 25b^3r^7y^5 + 5b^2ry^4$		
$15x^8 + 10x^5 - 20x^6 + 35x^2$		

(a)	$(2 - 3bc + 12y^{10})$	$(5b^2ry^4)$	$(9c^4 - 8a^3 - 3b^3c)$
$(5x^2)$	$(5x^6y + 7xy - 9)$	$(4ac + 3ac^2 - b^2)$	$(m + e + a - f + c + t)$
$(10x^2y^4)$	$(3x^6 + 2x^3 - 4x^4 + 7)$	$(5ac + 3ac^5 + 2b^3)$	$(am + ae + aa - af + ac + at)$
$(5x^2y^4)$	$(6ab)$	$(7y^5)$	$(3x^2yz^6 - 1 - 10x^3y^7z^4)$
$(5x^5y^2)$	$(4x^2y^2z)$	$(5a^2b^2c^4)$	$(15by + 5br^6y + 1)$