

Binomios conjugados

Contesta las siguientes preguntas y actividades en tu cuaderno.

$$(x+5)^2 = x^2 + 10x + 25$$

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

$$x \cdot x = x^2$$

$$5 \cdot 5 = 25$$

$$x \cdot 5 = 5x$$

$$5 \cdot x = 5x$$

$$(4m+9)^2 = 16m^2 + 72m + 81$$

$$(4m+9)(4m+9)$$

$$4m \cdot 4m = 16m^2$$

$$9 \cdot 9 = 81$$

$$4m \cdot 9 = 36m$$

$$9 \cdot 4m = 36m$$

$$(7x+11)^2 = 49x^2 + 154x + 121$$

$$(7x+11)(7x+11)$$

$$7x \cdot 7x = 49x^2$$

$$11 \cdot 11 = 121$$

$$7x \cdot 11 = 77x$$

$$11 \cdot 7x = 77x$$

$$(2x+3y)^2 = 4x^2 + 6xy + 9y^2$$

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

$$2x \cdot 2x = 4x^2$$

$$3y \cdot 3y = 9y^2$$

$$2x \cdot 3y = 6xy$$

$$3y \cdot 2x = 6xy$$

$$(mn+8a)^2 = m^2n^2 + 16am + 64a^2$$

$$(mn+8a)(mn+8a)$$

$$mn \cdot mn = m^2n^2$$

$$mn \cdot 8a = 8am$$

$$8a \cdot mn = 8am$$

$$8a \cdot 8a = 64a^2$$

$$(x-7)^2 = x^2 - 14x + 49$$

$$(x-7)(x-7)$$

$$x \cdot x = x^2$$

$$7 \cdot 7 = 49$$

$$x \cdot 7 = 7x$$

$$7 \cdot x = 7x$$

$$(2a-1)^2 =$$

$$(2a-1)(2a-1) = 4a^2 - 2a + 1$$

$$2a \cdot 2a = 4a^2$$

$$-1 \cdot -1 = +1$$

$$2a \cdot -1 = -2a$$

$$-1 \cdot 2a = -2a$$

$$(2a-3b)^2 = 4a^2 - 12ab + 9b^2$$

$$(2a-3b)(2a-3b)$$

$$2a \cdot 2a = 4a^2$$

$$3b \cdot 3b = 9b^2$$

$$2a \cdot 3b = 6ab$$

$$3b \cdot 2a = 6ab$$

$$(5m-7n)^2 = 25m^2 - 70mn + 49n^2$$

$$(5m-7n)(5m-7n)$$

$$5m \cdot 5m = 25m^2$$

$$7n \cdot 7n = 49n^2$$

$$5m \cdot 7n = 35mn$$

$$7n \cdot 5m = 35mn$$

$$(2m-3n)^2 = 4m^2 - 12mn + 9n^2$$

$$(2m-3n)(2m-3n)$$

$$2m \cdot 2m = 4m^2$$

$$2m \cdot 3n = 6mn$$

$$3n \cdot 2m = 6mn$$

$$3n \cdot 3n = 9n^2$$