

Factorizar los polinomios.

$$1. a^2 + ab + ax + bx =$$

$$(a^2 + ab) + (ax + bx) =$$

$$a(a+b) + x(a+b) =$$

$$(a+b)(a+x)$$

$$2. am + bm + an + bn =$$

$$(am + bm) + (an + bn)$$

$$m(a+b) + n(a+b)$$

$$(a+b)(m+n)$$

$$3. x + x^2 - xy^2 - y^2 =$$

$$(x^2 - xy^2) - (x - y^2)$$

$$x(x - y) - y(x - y)$$

$$(x - y)(x - y)$$

$$4. a^2 + 2ab + b^2 = b^2(a^2 + 2ab)$$

$$5. 4x^2 - 12xy + 9y^2 = 12xy(3x - 1 + 1.3y)$$