

Actividad 4

$$1. \quad 8m^2 - 12mn = 8m^2 - 4mn$$

$$= m \times (8m - 4n)$$

$$2. \quad 12m^2n + 24m^3n^2 - 36m^4n^3 + 48m^5n^4$$

$$= 3(4m^2n + 8m^3n^2 - 12m^4n^3 + 16m^5n^4)$$

$$3. \quad a(x+1) + b(x+1)$$

$$ax + 1 + bx + 1 = ax + 1 + bx + 1$$

$$4. \quad (a+3)(a+1) - 4(a+1)$$

$$(a+3)(a+1) - 4(a+1)$$

$$= (a+3) - 3a - 3$$

$$5. \quad (a+b-1)(a^2+1) - a^2$$

$$(a+b-1) \times (a^2+1) - a^2$$

$$= 8a^2 + 8 + a^2b + b - a$$

6. $(x-3)(x-4) + (x-3)(x+4)$

$$(x-3) \times (x-4) + (x-3)(x+4)$$

7. $a^3(a-b+7) - b^2(a-b+7)$

$$a^3 \times (a-b+7) - b^2$$

$$= a^4 - a^3b + a^3 - b^2$$