



## 5. Refuerza: suma y resta de monomios

### Soluciones

#### 1 Completa.

$$2x + x = \boxed{3}x$$

$$5a - 2a = \boxed{3}a$$

$$7x - x = \boxed{6}x$$

$$2a + 4a = 6\boxed{a}$$

$$4a + 6a = \boxed{10a}$$

$$9x - 7x = \boxed{2x}$$

$$a^2 - a \leftarrow \text{se deja indicado}$$

$$x^2 + 2x^2 = \boxed{3}x^2$$

$$6a^2 - 5a^2 = \boxed{a^2}$$

$$5x^2 + 3x + 2x = 5x^2 + \boxed{5}x$$

$$2x + 3x^2 - 7x = 3x^2 - \boxed{5x}$$

$$a + a^2 - 3a + a^2 = \boxed{2}a^2 - \boxed{2}a$$

$$x^2 + x + 2x - 5 + 3x^2 = \boxed{4x^2 + 3x - 5}$$

$$2a - 3 + a^2 + a - 4 = \boxed{a^2 + 3a - 7}$$

#### 2 Reduce las expresiones.

$$a + a + a = \boxed{3a}$$

$$n + n + n + n = \boxed{4n}$$

$$2x + 3x = \boxed{5x}$$

$$6n - 2n = \boxed{4n}$$

$$2a^2 + a^2 = \boxed{3a^2}$$

$$5x^2 - x^2 = \boxed{4x^2}$$

$$4a - 6 - 3a + 9 = \boxed{a + 3}$$

$$7n + 2n - 10 + 4 = \boxed{9n - 6}$$

$$x^2 + x + 3x + x^2 = \boxed{2x^2 + 4x}$$

$$2a + 2a^2 - 5a + 6a^2 = \boxed{8a^2 - 3a}$$

$$n^2 + 3n - n + 2n^2 + 7 = \boxed{3n^2 + 2n + 7}$$

$$2x + 3x^2 - 1 + x + 4x^2 + 12 = \boxed{7x^2 + 3x + 11}$$



3 Observa los ejemplos resueltos y reduce los otros.

$$2a + (a - 1) = 2a + a - 1 = 3a - 1$$

$$4x + (3x - 2) = 4x + 3x - 2 = 7x - 2$$

$$5a - (2a + 3) = 5a - 2a - 3 = 3a - 3$$

$$4x - (3x + 5) = 4x - 3x - 5 = x - 5$$

$$6a - (a - 2) = 6a - a + 2 = 5a + 2$$

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

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

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

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

$$a - (6 - 4a^2) + 1 = a - 6 + 4a^2 + 1 = 4a^2 + a - 5$$

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