



6. Ayuda para manejar las identidades notables

Soluciones

1 Desarrolla aplicando las identidades notables.

$$a) (x + 3)^2 = \boxed{1}x^2 + \boxed{6}x + \boxed{9}$$

$$b) (5 + x)^2 = \boxed{25} + \boxed{10}x + \boxed{1}x^2$$

$$c) (3x + 1)^2 = \boxed{9}x^2 + \boxed{6}x + \boxed{1}$$

$$d) (x - 7)^2 = \boxed{1}x^2 - \boxed{14}x + \boxed{49}$$

$$e) (2x - 3)^2 = \boxed{4}x^2 - \boxed{12}x + \boxed{9}$$

$$f) (3x - a)^2 = \boxed{9}x^2 - \boxed{6a}x + \boxed{a^2}$$

$$g) (4x + 3y)^2 = \boxed{16}x^2 + \boxed{24}xy + \boxed{9}y^2$$

$$h) (x + 2)(x - 2) = \boxed{1}x^2 - \boxed{4}$$

$$i) (5x + 2y)(5x - 2y) = \boxed{25}x^2 - \boxed{4}y^2$$

$$j) (x^2 + 2x)(x^2 - 2x) = \boxed{1}x^4 - \boxed{4}x^2$$