

evaluación

$$1) F(0) = 0^2 + 3 \cdot 0 - 1 = -1$$

$$F(1) = 1^2 + 3 \cdot 1 - 1 = 3$$

$$F\left(\frac{1}{2}\right) = \left(\frac{1}{2}\right)^2 + 3 \cdot \frac{1}{2} - 1 = \frac{3}{4}$$

$$R_{\text{total}} = -1, \frac{3}{4}, 3, \frac{23}{4}$$

$$3) F(x) = x^2$$

$$F(a+h) = (a+h)^2 = a^2 + 2ah + h^2$$

$$F(a) = a^2$$

$$\cancel{a^2} + 2ah + h^2 - \cancel{a^2}$$

$$F = 2ah + h^2$$

$$2) \quad F(0) = \frac{0}{2} + 1 = 1$$

$$F(1) = \frac{3}{2} + 1 = \frac{5}{2}$$

$$4) \quad F(a) = a + 2$$

$$F\left(\frac{a}{h}\right) = \frac{a}{h} + 2$$

$$a + 2 + \frac{a}{h} + 2 = a + \frac{a}{h} + 4$$

$$= 4\left(\frac{1}{h} + 1\right) + 4$$