

Examen de cálculo

$$x=0$$

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

$$f(0) = -1$$

$$x = \frac{1}{2}$$

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

$$f\left(\frac{1}{2}\right) = \frac{3}{4}$$

$$f(1) = 0.75$$

$$x=1$$

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

$$f(1) = 3$$

$$x = \frac{3}{2}$$

$$f\left(\frac{3}{2}\right) = \frac{9}{4} + 3 \cdot \frac{3}{2} - 1$$

$$f\left(\frac{3}{2}\right) = \frac{23}{4}$$

$$x=0$$

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

$$f(0) = 1$$

$$x = \frac{1}{2}$$

$$f\left(\frac{1}{2}\right) = \frac{\frac{1}{2}}{2} + 1$$

$$f\left(\frac{1}{2}\right) = \frac{1}{4} + 1$$

$$x = 1$$

$$f(1) = \frac{1}{2} + 1$$

$$f(1) = \frac{3}{2}$$

$$x = \frac{3}{2}$$

$$f\left(\frac{3}{2}\right) = \frac{\frac{3}{2}}{2} + 1$$

$$f\left(\frac{3}{2}\right) = \frac{3}{4} + 1$$

3.

$$f(a+h) - f(a)$$

$$f(a+h) - f(a) =$$

$$= a + h^2$$

4.

$$f\left(\frac{a}{n}\right) + f(a)$$

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

