

10/10/2021

## Evaluación.

$$\begin{aligned} f(x) &= 1^2 + 3 \cdot 1 - 1 \\ f(1) &= 1 + 3 - 1 \\ f(1) &= 3 \end{aligned}$$

$$\begin{aligned} f(x) &= 0^2 + 3 \cdot 0 - 1 \\ f(0) &= 0 + 0 - 1 \\ f(0) &= -1 \end{aligned}$$

$$\begin{aligned} f(x) &= \frac{0}{2} + 1 = 1 \\ f\left(\frac{0}{2}\right) &= \frac{1}{2} + 1 = 1 \cdot \frac{1}{2} \end{aligned}$$

$$\begin{aligned} f(x) &= \frac{1}{2} + 1 \\ f\left(\frac{0}{2}\right) &= \frac{0}{2} \end{aligned}$$

3 Evalúe  $f(a+h) - f(a)$  donde  $f(x) = x^2$ 

$$\begin{aligned} f(a+h) &= f(a)^2 \\ f(a+h) - f(a) &= a^2 \end{aligned}$$

$$(a+h)^2 \rightarrow ah + h^2$$

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

$$\frac{(ah + h^2)}{a} = ah + h^2$$

4 Evalúe  $f\left(\frac{a}{n}\right) + f(a)$  donde  $f(x) = x + 2$ .

$$\begin{aligned} f\left(\frac{a}{n}\right) + f(a) \\ f\left(\frac{a}{n}\right) + 2 + f(a) + 2 \end{aligned}$$

$$f\left(\frac{a^2}{h^2}\right) + f(a^2)$$

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

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

3 bien  
1 mal