

1

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

$$f(x) = 0 + 0 - 1 = -1$$

$$f(x) = \frac{3}{4}$$

$$f(x) = \frac{1^2}{2} + 3 \times \frac{1}{2} - 1$$

$$f(x) = \frac{1}{4} + \frac{3}{2} - 1$$

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

$$= 1 + 3 - 1$$

2

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

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

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

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

$$= \frac{5}{4}$$

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

3

$$f(a+h) - f(a)^2$$

$$f \cdot a+h - f a^2$$

$$(a+h)^2$$

$$\frac{a+h}{a+h}$$

$$2ah + h^2$$

$$f(a+h+h^2) = f(2a)$$