

$$= \left[ \left( \frac{1}{3} \right)^2 + \left( \frac{2}{3} \right)^2 + \left( \frac{3}{3} \right)^2 \right] \left( \frac{1}{3} \right)$$

$$= \sum_{i=1}^{3} \left( \frac{\mu}{3} \right)^2 \left( \frac{1}{3} \right)$$

$$= \sum_{n=1}^{3} f\left(\frac{1}{3}\right)\left(\frac{1}{3}\right)$$

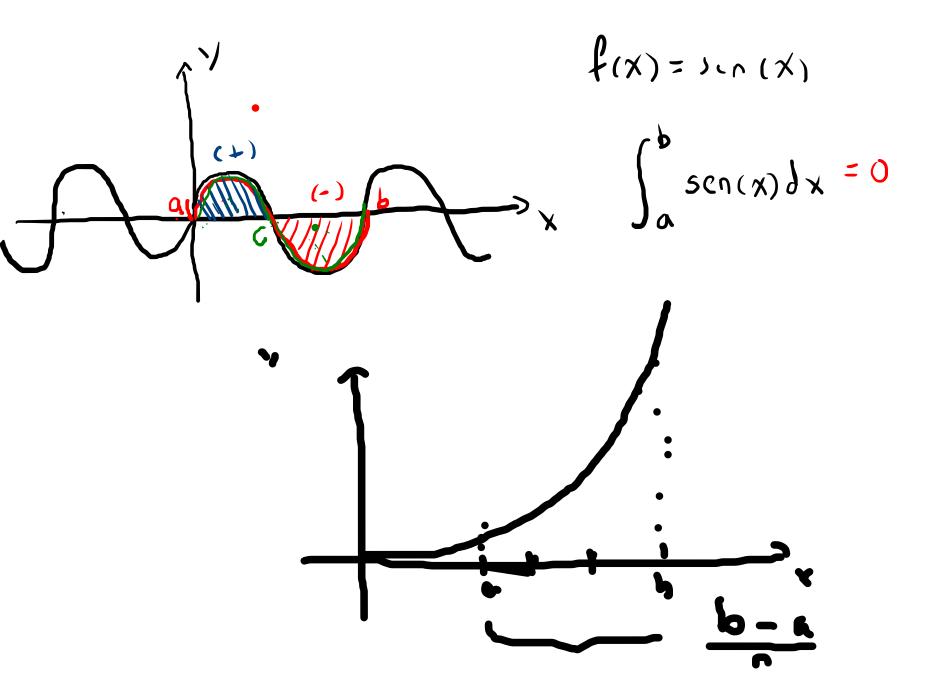
$$= \sum_{k=1}^{3} f(c_{k})\left(\frac{1}{3}\right)$$

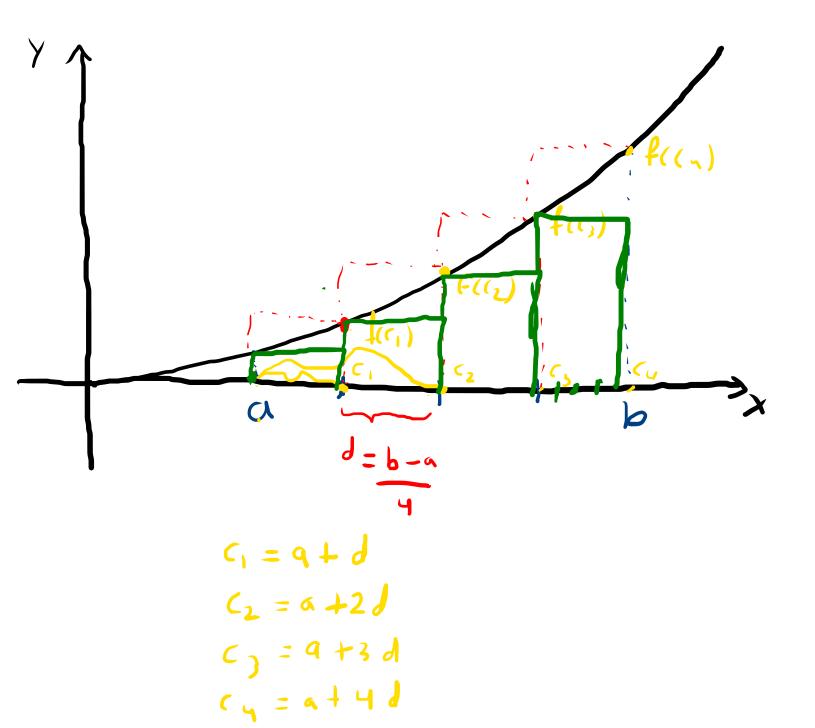
$$\approx \int_0^1 f(x) \frac{dx}{dx}$$

$$\int \chi^2 dx = \frac{\chi^3}{3} + C$$

) Integral definida
$$\int_{0}^{1} x^{2} dx = \frac{x^{3}}{3} \Big|_{0}^{1} = \frac{(1)^{3}}{3} - \frac{(0)^{3}}{3} = \frac{1}{3}$$

c) 
$$\left( x^{n} \right) x = \frac{x^{n+1}}{n+1} + \left( (n \neq -1) \right)$$





$$f(x) : \frac{1}{\sqrt{2\pi}} e^{-x^2/2}$$

caso estándar

$$f(x) = \frac{1}{\sqrt{2\pi^2}\sigma} e^{-\frac{(x-A)^2}{2\sigma^2}}$$

$$(610 \text{ general})$$

M=media

$$f(x) = e^x$$

