

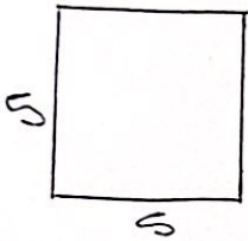
Matemática Aplicada

Unidad 1 1/08/21

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Determino el área de las figuras.

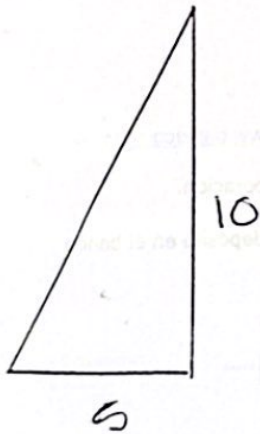
①



$$y = 5 = f(x) = 5$$

$$\int_0^5 5 \Rightarrow \int_0^5 5x = 5(5) \Rightarrow \boxed{25}$$

②

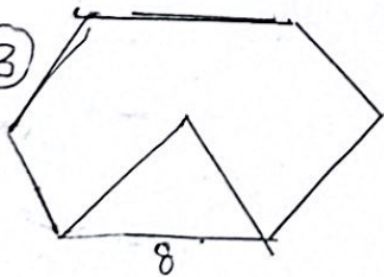


$$m = \frac{\Delta y}{\Delta x} \Rightarrow \frac{10}{5} \Rightarrow 2$$

$$y = 2x + 0 \Rightarrow f(x) = 2x$$

$$\int_0^5 2x \Rightarrow \int_0^5 \frac{2x^2}{2} \Rightarrow \int_0^5 x^2 \Rightarrow 5^2 \Rightarrow \boxed{25}$$

③



\Rightarrow



$\times 16$ Lados

$$m = \frac{\Delta y}{\Delta x} \Rightarrow \frac{16}{8} \Rightarrow 2 \Rightarrow y = 2x + 0 = f(x) = 2x$$

$$\int_0^8 2x \Rightarrow \int_0^8 \frac{2x^2}{2} = \int_0^8 x^2 \Rightarrow 8^2 \Rightarrow (64) (6) = \boxed{384}$$