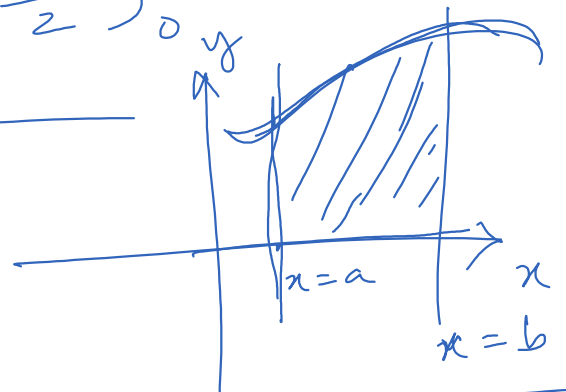


$\downarrow \downarrow \downarrow$
 $R: [0,1] \times [0,1]$

$$= \int_{x=0}^{x=1} (1-x) dx = \left[x - \frac{x^2}{2} \right]_0^1 = 1 - \frac{1}{2} = \frac{1}{2} \text{ Ans.}$$

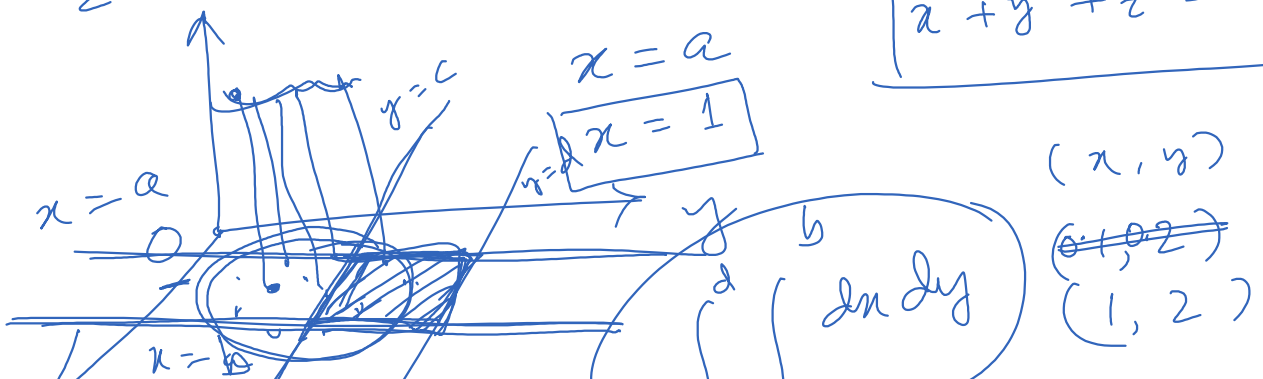
$$\int_a^b \underline{f(x)} dx =$$



$x = a$ b
 $y = c$ a
 $\int \int f(x,y) dx dy$

$$z = f(\underline{x}, y)$$

$$\boxed{x^2 + y^2 + z^2 = 40} \quad \times$$



$\int_a^b \int_c^d f(x,y) dx dy$

$R := [a,b] \times [c,d]$

$R := [0,2] \times [0,1]$

