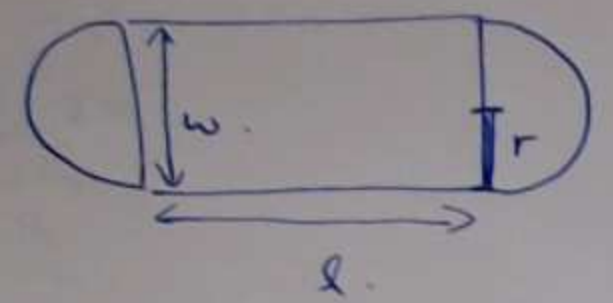


①

$$1600 = P = 2l + 2\pi r$$

$$A = lw + \pi r^2$$

$$A = lw + \pi \left(\frac{w}{2}\right)^2$$



$$2r = w$$

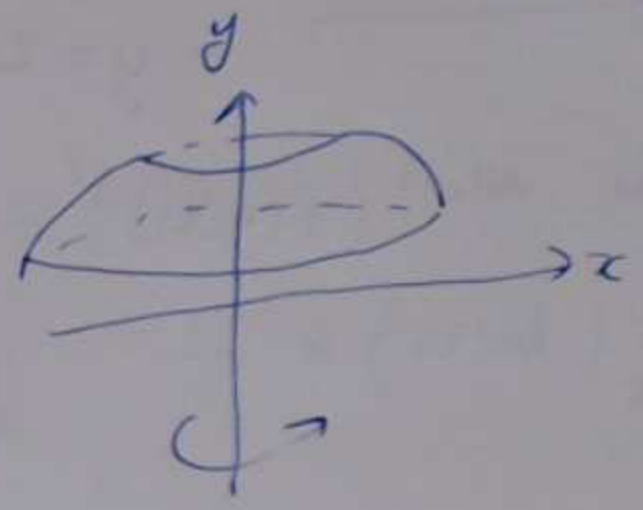
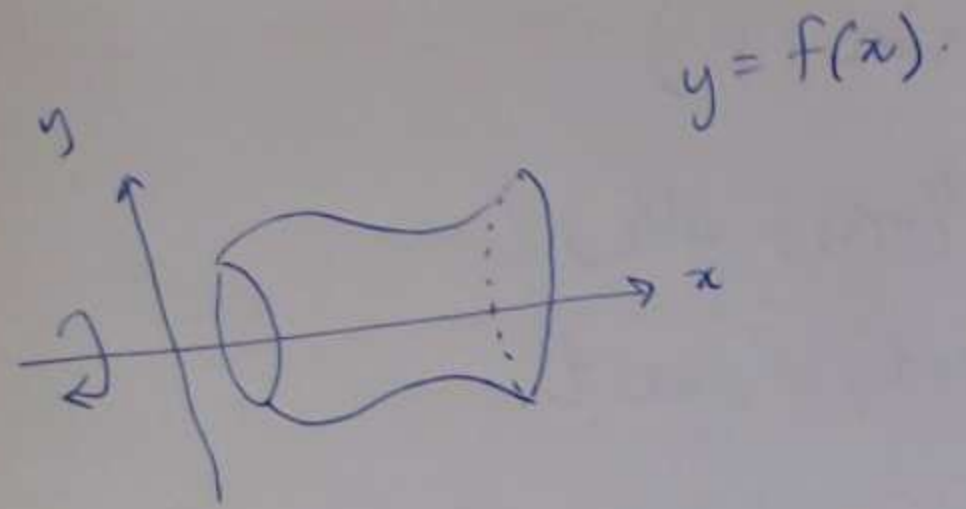
$$\swarrow 1600 = 2l + 2\pi \frac{w}{2}$$

$$800 = l + \frac{\pi w}{2}$$

$$A = lw + \frac{\pi w^2}{4}$$

$$l = 800 - \frac{\pi w}{2}$$

$$A = \left(800 - \frac{\pi w}{2}\right) w + \frac{\pi w^2}{4}$$



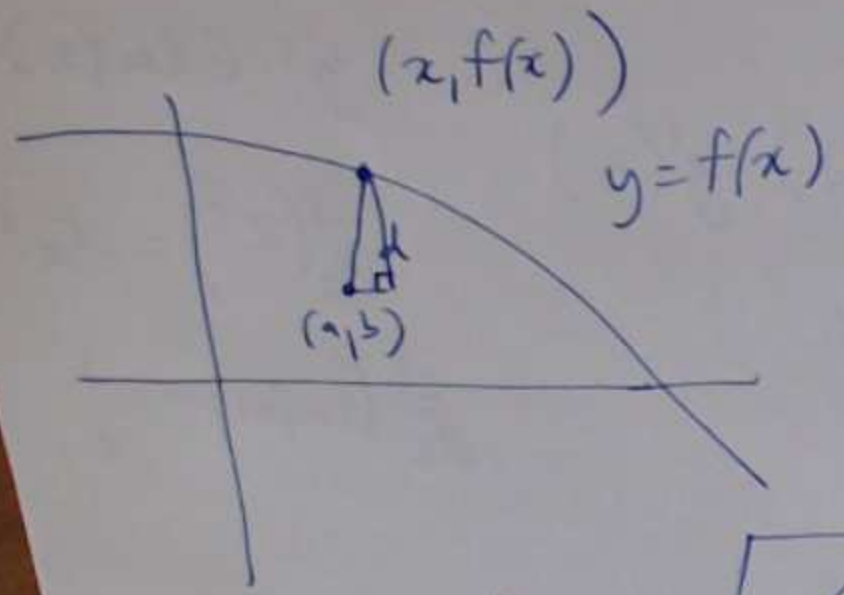
②

$$2r = w$$

$$800 = l + \frac{\pi}{2}$$

$$l = 800 - \frac{\pi}{2}$$

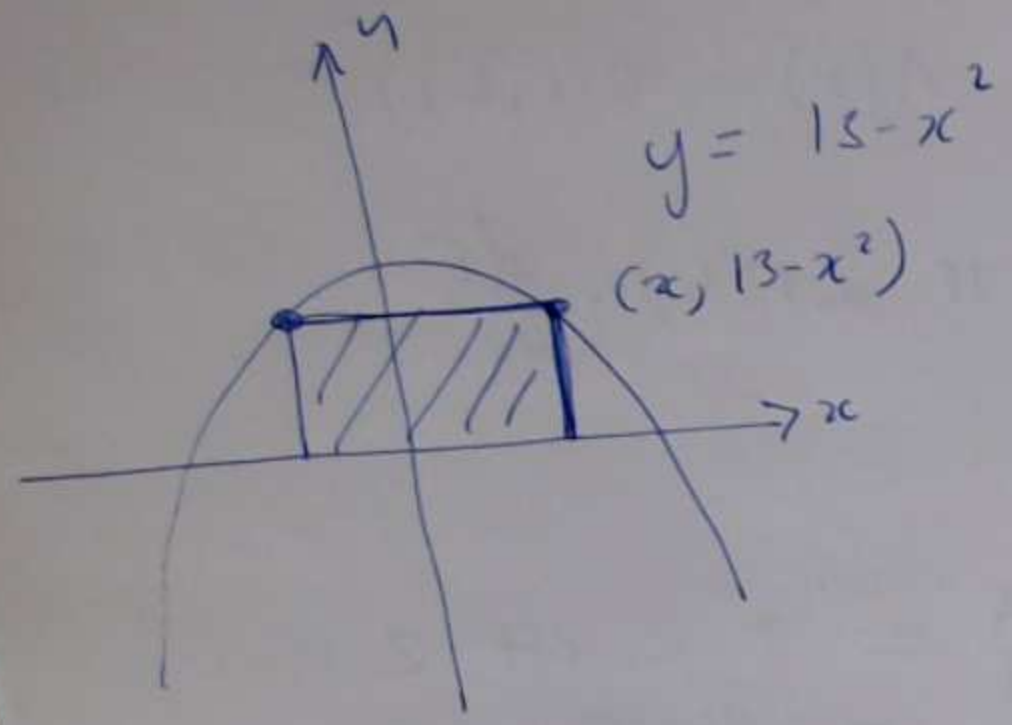
3



$$d^2 = (x-a)^2 + (f(x)-b)^2$$

$$d = \sqrt{(x-a)^2 + (f(x)-b)^2}$$

4



$$A = (13 - x^2) 2x$$