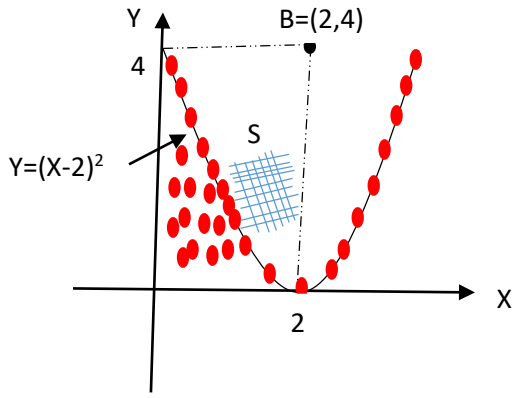
Y = (x – 2)

Y = $x^2 - 4x + 4$

$y = (x-2)^2$

y = 0	x = 0
$(x-2)^2 = 0$	$y = x^2 - 4x + 4$
$X - 2 = 0 \Rightarrow x = 2$	y = 0 + 4 = 0
Min (2,0)	C(0,4)



$$\int_0^2 (x-2)^2 dx = \frac{1}{3}(x-2)^3 \Big]_0^2 = \frac{8}{3}$$

S = $2.4 - \frac{8}{3} = \frac{2}{3}.8$

$y = (x-2)^2$, Parabola (a > 0)

we want to find the area

$$\int_0^a (x-a)^2 dx = \frac{1}{3}(x-a)^3 \Big]_0^2 =$$

$$= \frac{a^3}{3}$$