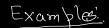
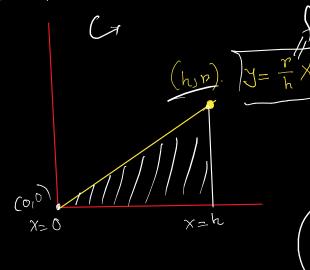


Molume of the bigger =
$$TI(\alpha+\alpha)^2 \times X$$
 $f(x+\alpha)$

Volume of the smaller = $TI((x+\alpha)^2 \times X)$ $f(x+\alpha)$

The smaller





Rotate about y axis:

Volume =
$$\int_{2\pi \times f(x)}^{h} dx$$
=
$$\int_{0}^{2\pi \times f(x)} dx$$
=
$$\int_{0}^{2\pi \times f(x)} dx$$
=
$$\int_{0}^{2\pi \times f(x)} dx$$

Determine the volume of the solid obtained by the region

bounded by
$$(y = 2x - x^2)$$

about the y axis.

Volume =
$$\int 2\pi x f(x) dx$$

$$= \int_{0}^{2} 2\pi \times (2\pi - x^{2}) dx = \boxed{8\pi}$$