



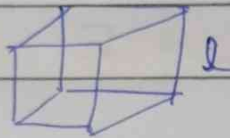
- Aspirant Aryan

$$\begin{aligned} * \text{ Area of segment} &= \text{Area of sector} - \text{Area of } \Delta \\ * \text{ No. of revolution} &= \frac{\text{Distance covered}}{2\pi r} \end{aligned}$$

(9)

Surface Area and Volume

*

Cube

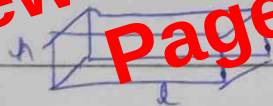
$$\text{LSA} = 4l^2$$

$$d = \sqrt{3}l$$

$$\text{TSA} = 6l^2$$

$$\text{Volume} = l^3$$

*

Cuboid

Please ignore

$$\text{CSA} =$$

$$2h(l+b)$$

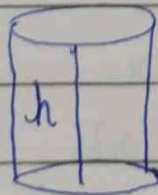
$$\text{TSA} =$$

$$2(lb + bh + hl)$$

$$\text{Volume} =$$

$$l \times b \times h$$

*

Cylinder

$$\text{CSA} = 2\pi r h$$

$$\text{TSA} = 2\pi r(r+h)$$

$$\text{Volume} = \pi r^2 h$$