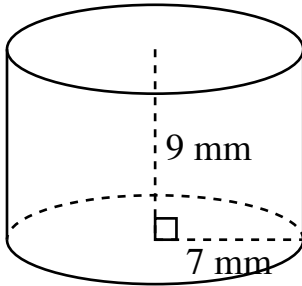
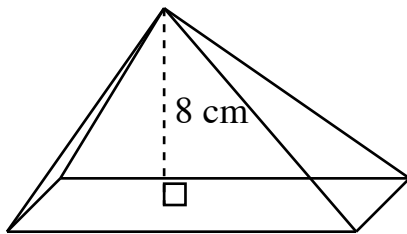


Volume of 3D Shapes (A)



Find the volume. Give your answer as an exact value.

$$\begin{aligned} V &= \pi r^2 h \\ &= \pi (7)^2 (9) \\ &= \pi (49)(9) \\ &= 441\pi \text{ mm}^3 \end{aligned}$$



Base area = 54 cm^2

Find the volume.

$$\begin{aligned} V &= \frac{1}{3} b h \\ &= \frac{1}{3} (54)(8) \\ &= 144 \text{ cm}^3 \end{aligned}$$