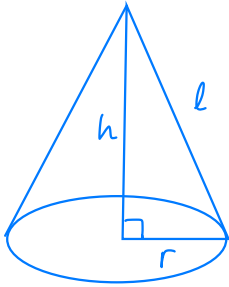
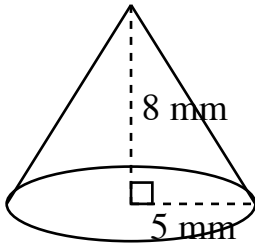


Volume of a Cone (A)



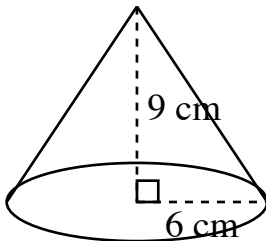
$$\text{Volume} = \frac{1}{3} \pi r^2 h$$

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



$$\begin{aligned} V &= \frac{1}{3} \pi (5)^2 (8) \\ &= \frac{1}{3} \pi (25)(8) \\ &= \frac{200}{3} \pi \text{ mm}^3 \end{aligned}$$

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



$$\begin{aligned} V &= \frac{1}{3} \pi (6)^2 (9) \\ &= \frac{1}{3} \pi (36)(9) \\ &= 108 \pi \text{ cm}^3 \end{aligned}$$