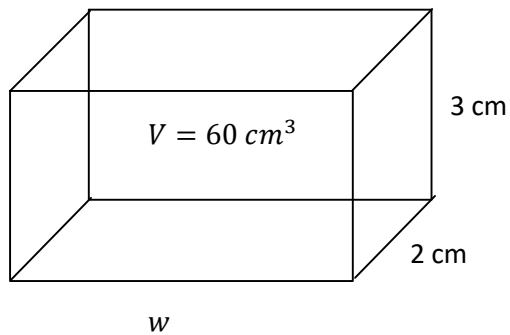


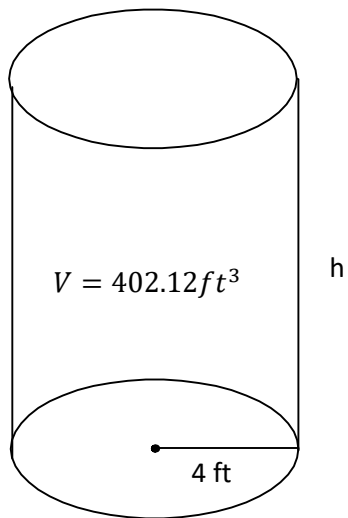
M8 - 7.3 - Rectangular Prism Missing Length Notes

Find the missing length for the shapes below.



$$\begin{aligned}V &= l \times w \times h \\60 &= 2 \times w \times 3 \\60 &= 6 \times w \\ \frac{60}{6} &= \frac{6 \times w}{6} \\10 &= w\end{aligned}$$

$$w = 10 \text{ cm}$$



$$\begin{aligned}V &= \pi r^2 h \\402.12 &= \pi(4)^2 h \\402.12 &= 50.27h \\ \frac{402.12}{50.27} &= \frac{50.27h}{50.27} \\8 &= h\end{aligned}$$

$$h = 8 \text{ ft}$$