Apply site surveys and set out procedures to building and construction projects

WA-SIN W5904 - (BCGBC4018A)

Volume of Pyramids

Volume of Pyramid =
$$\frac{1}{3}$$
 x Area of the I e x Height

Find the volume of the cone...

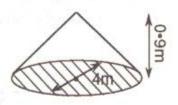
Volume =
$$\frac{1}{3}$$
 x Area(circle) x Height

= $\frac{1}{3}$ x (π x 2m x 2m) x 0.9m

= $\frac{1}{3}$ x π x 4m² x 0.9m

= $\frac{1}{3}$ x π x 3.6m³

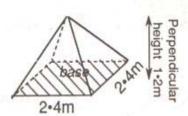
= 3.8m³ (correct to 1 decimal place)



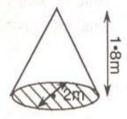
Exercise

Find the volume of each of the following pyramids. Give your answers correct to one decimal place.

1.



2.



3. height 2m

4.

5. height 2:1m

6. 1m 2.4m