Date : ___/___/___

The volume of a pyramid

Vol. of pyramid $= \frac{1}{3} \times$ area of base $\times$ perpendicular height

Ex: 27.17

1. Vol. $= \frac{1}{3} \times$ base area $\times$ height.

$= \frac{1}{3} \times 5 \times 4 \times 6$

$= 40\ cm^3$

2. Vol $= \frac{1}{3} \times$ base area $\times$ height

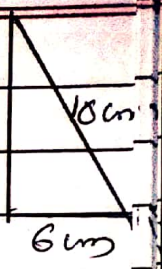
$= \frac{1}{3} \times 50 \times 8$

$= 133 \cdot cm^3$ (3sf)

Date : ___/___/___

3 Height of the base triangle $= \sqrt{10^2 - 6^2}$

$= 8\text{cm}$.



Base Area $= \frac{1}{2} bb$

$= \frac{1}{2} \times 6 \times 8$

$= 24\text{cm}^2$.

Vol. $= \frac{1}{3} \times \text{base area} \times \text{height}$

$= \frac{1}{3} \times 24 \times 8$

$= 64\text{cm}^3$