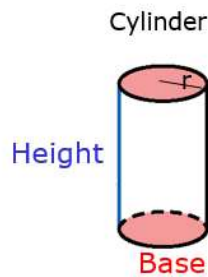# Volume Formulas
This formula sheet cannot be used on a test.
These formulas must be memorized.

Volume of a cylinder
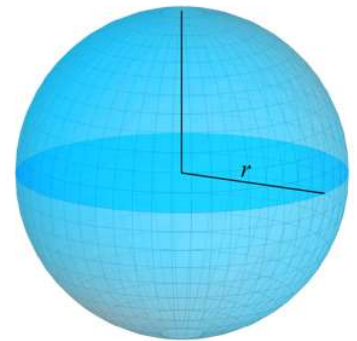
V=Bh (Where B is the Area of the base shape)
V=$(\pi r^2)h$
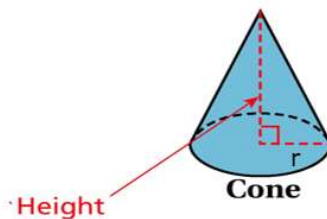
Cylinder

Height

Base

Volume of a sphere

$$V = \left(\frac{4}{3}\right)\pi r^3$$
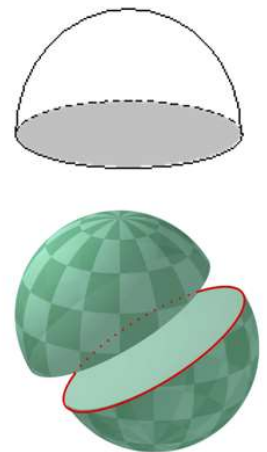
r

Volume of a Cone

$V = \frac{1}{3}Bh$ (Where B is the Area of the base shape)
$V = \frac{1}{3}(\pi r^2)h$

Height   r
          Cone

Volume of a hemisphere

$$V = \frac{2}{3}\pi r^3$$

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