

Volume Formulas.

Cylinder:



$$V = \pi r^2 h$$

r = radius

$$r^2 = r \cdot r$$

h = height

$$\pi = 3.14$$

Cone:



$$V = \frac{1}{3} B h \quad \text{or} \quad V = \frac{1}{3} \pi r^2 h$$

B = area of base, which is a circle

$$B = \pi r^2$$

Sphere:



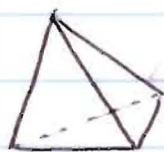
$$V = \frac{4}{3} \pi r^3$$

r = radius

$$r^3 = r \cdot r \cdot r$$

$$\pi = 3.14$$

Pyramids



or



$$V = \frac{1}{3} B h$$

B = area of base, either a triangle or square

Triangular Base: $B = \frac{1}{2} l w$

Square or Rect. Base $B = l w$