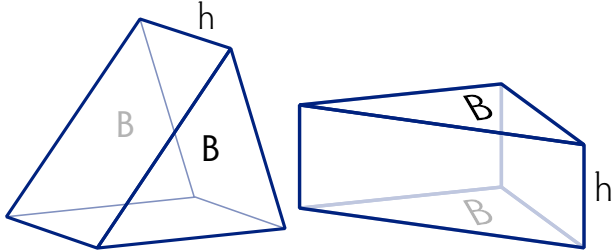
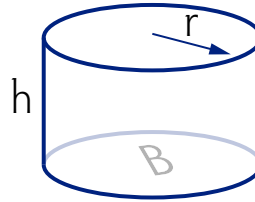


**Prism**



**Cylinder**

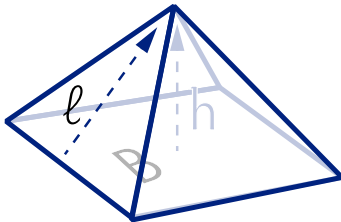


$$L.A. = ph$$

$$S.A. = L.A. + 2B$$

$$V = Bh$$

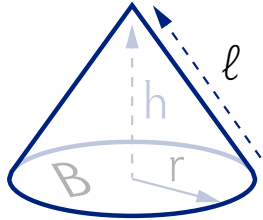
**Pyramid**



$$L.A. = \frac{1}{2}pl$$

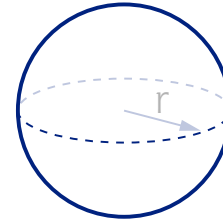
$$S.A. = L.A. + B$$

**Cone**



$$V = \frac{1}{3}Bh$$

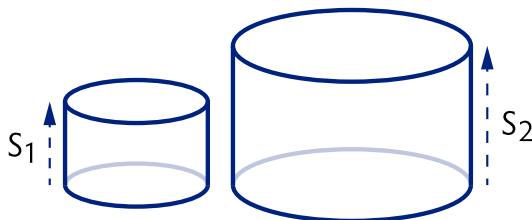
**Sphere**



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

$$S.A. = 4\pi r^2$$

**Similar Solids**



$$\text{scale} = \frac{S_1}{S_2}$$

$$\frac{SA_1}{SA_2} = \left(\frac{S_1}{S_2}\right)^2$$

$$\frac{V_1}{V_2} = \left(\frac{S_1}{S_2}\right)^3$$

**Euler's Law**

(It's pronounced "Oiler," by the way. Go figure.)

$$F + V = E + 2$$

F - # faces

V - # vertices

E - # edges

**Key to Symbols**

S.A. Surface area

V Volume

r Radius

B Area of base

L.A. Lateral Area

p Perimeter of base

h Perpendicular height

ℓ Lateral height