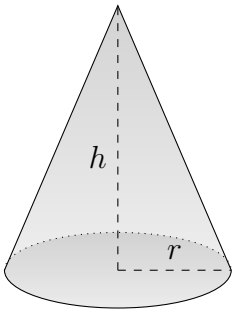
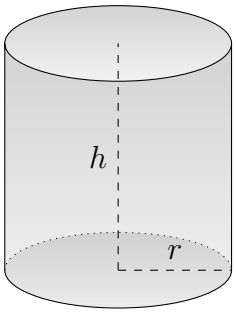
Geometry Formulas

Cone



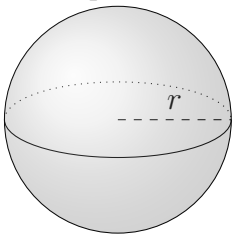
$$V = \frac{1}{3}\pi r^2 h$$
$$S = \pi r\sqrt{r^2 + h^2} + \pi r^2$$

Cylinder



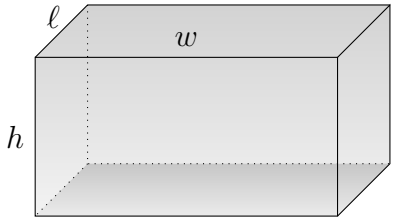
$$V = \pi r^2 h$$
$$S = 2\pi rh + 2\pi r^2$$

Sphere



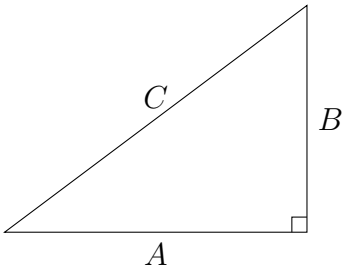
$$V = \frac{4}{3}\pi r^3$$
$$S = 4\pi r^2$$

Rectangular Solid



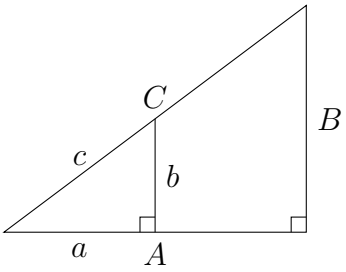
$$V = \ell wh$$
$$S = 2\ell w + 2\ell h + 2hw$$

Pythagorean Theorem



$$A^2 + B^2 = C^2$$

Law of Similar Triangles



$$\frac{a}{A} = \frac{b}{B} = \frac{c}{C}$$