

$$x^3 - y^3 = (x - y)(x^2 + xy + y^2)$$

$$x^3 + y^3 = (x + y)(x^2 - xy + y^2)$$

Sphere

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

Closed Right Circular Cylinder

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

Closed Right Circular Cone

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

$$A = P \left[ \frac{1}{n} + \frac{r}{n} \left( \frac{1}{n} \right)^{nt} \right]$$

$$1 + \tan^2 \theta = \sec^2 \theta$$

$$A = Pe^{rt}$$

$$1 + \cot^2 \theta = \csc^2 \theta$$