

Miscellaneous Geometry Formulas

- **Volumes**

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

Cylinder $V = \pi r^2 h$

Cone $V = \frac{1}{3}\pi r^2 h$

Rectangular Solid $V = lwh$

- **Surface Area**

Sphere $A = 4\pi r^2$

Cylinder $A = 2\pi r^2 + 2\pi rh$

Rectangular Solid $A = 2(wh + lh + lw)$

Area and Circumference Formulas

- **Circle:** $A = \pi r^2$ $C = 2\pi r$

- **Trapezoid:** $A = \left(\frac{b_1 + b_2}{2}\right)h$

Miscellaneous Algebra Formulas

- **Quadratic Formula**

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$