Equations of Platonic Solids

Sphere Volume $\frac{4}{3}\pi r^3$

Sphere Surface Area $4\pi r^2$

Cylinder Volume $\pi r^2 h$

Cylinder Surface Area $2\pi rh + (2\pi r^2)$

Cone Volume $\pi r^2 h / 3$

Cone Surface $\pi r(r + \sqrt{h^2 + 82r})$