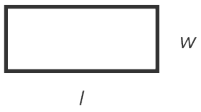
Geometric Formulas

Square

$P = 4s$

$A = s^2$

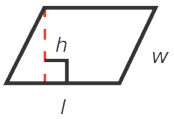
Rectangle



$P = 2l + 2w$

$A = lw$

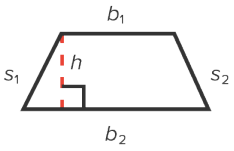
Parallelogram



$P = 2l + 2w$

$A = lh$

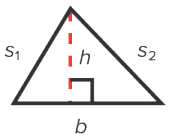
Trapezoid



$P = s_1 + s_2 + b_1 + b_2$

$A = \frac{1}{2}h(b_1 + b_2)$

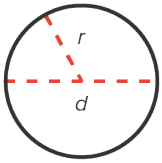
Triangle



$P = s_1 + s_2 + b$

$A = \frac{1}{2}bh$

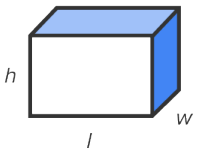
Circle



$C = 2\pi r$ or $C = \pi d$

$A = \pi r^2$

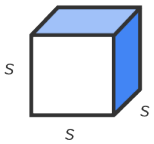
Rectangular Solid



$S = 2lh + 2wh + 2wl$

$V = lwh$

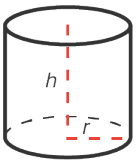
Cube



$S = 6s^2$

$V = s^3$

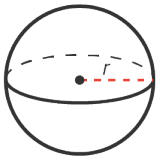
Right Circular Cylinder



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

$V = \pi r^2 h$

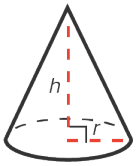
Sphere



$S = 4\pi r^2$

$V = {}^4/_3\pi r^3$

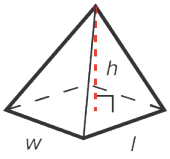
Right Circular Cone



$S = \pi r\sqrt{r^2 + h^2} + \pi r^2$

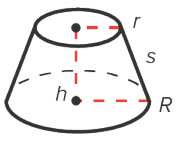
$V = \frac{1}{3}\pi r^2 h$

Square or Rectangular Pyramid



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

Right Circular Cone Frustum



$S = \pi s(R + r) + \pi r^2 + \pi R^2$

$V = \frac{\pi(r^2 + rR + R^2)h}{3}$

Geometric Symbols

A = Area	S = Surface Area
P = Perimeter	C = Circumference
V = Volume	π = Pi Constant