	Lateral area	Surface Area	Volume
Cube	$LA = Ph$ $P = perimeter = 2l + 2w$ $h = height, l = length, w = width$	$SA = LA + 2B$ $B = base = lw$	$V = Bh = lwh$
Prism	$LA = Ph$ $P = perimeter\ of\ base$ $h = height$	$SA = LA + 2B$ $B = area\ of\ base$ (depends on shape of base)	$V = Bh$
Cylinder	$LA = Ch = 2\pi rh$ $C = circumference = 2\pi r$ $h = height, r = radius$	$SA = LA + 2B = 2\pi rh + 2\pi r^2$ $B = base = \pi r^2$	$V = Bh = \pi r^2 h$

	Lateral area	Surface Area	Volume
Pyramid	$LA = \frac{1}{2}P\ell$ $\ell =$ slant height	$SA = LA + B$ $B = area\ of\ base$ (depends on shape of base)	$V = \frac{1}{3}Bh$
Cone	$LA = \frac{1}{2}C\ell = \pi r\ell$	$SA = LA + B$ $B = \pi r^2$ $SA = \pi r\ell + \pi r^2$	$V = \frac{1}{3}Bh = \frac{1}{3}\pi r^2 h$

	Surface Area	Volume
Sphere	$SA = 4\pi r^2$	$V = \frac{4}{3}\pi r^3$

	Area	Perimeter
Triangle	$A = \frac{1}{2}bh$	$P = sum\ of\ sides$
Square	$A = s^2$ $s = length\ of\ side\ of\ square$	$P = 4s$ = sum of sides
Rectangle	$A = lw$	$P = 2l + 2w$ = sum of sides
Trapezoid	$A = \frac{1}{2}(b_1 + b_2)h$	$P = sum\ of\ sides$
Regular Polygon	$A = \frac{1}{2}Pa = \frac{1}{2}nsa$ $P = perimeter, a = apothem$ $n = number\ of\ sides, s = length\ of\ side$	$P = ns = sum\ of\ sides$

	Area	Circumference
Circle	$A = \pi r^2$	$C = 2\pi r = \pi D$ $D = diameter$

Pythagorean Theorem	$c^2 = a^2 + b^2 \quad (right\ triangle)$ $c = hypotenuse, a\ \&\ b = legs\ of\ triangle$