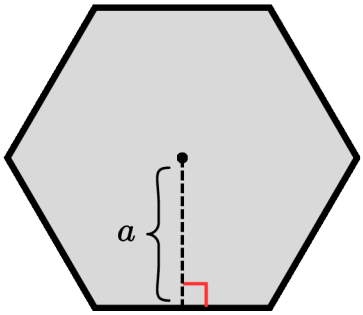
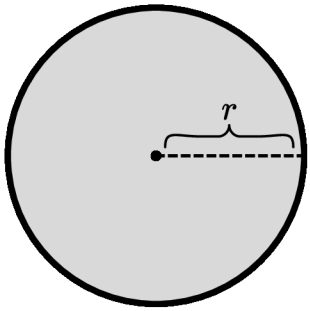
Geometric Solids

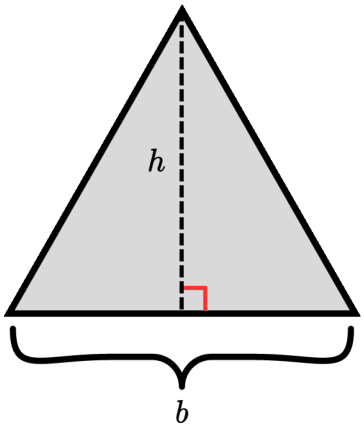
Solid Name	Surface Area	Volume
Cube	$6s^2$	s^3
Square Prism	$2s^2 + 4hs$	hs^2
Rectangular Prism	$2lw + 2lh + 2hw$	lwh
Triangular Prism	$2B + Ph$	Bh
Regular Pentagonal Prim	$5\left(as + sh\right)$	$\frac{5}{2}ash$
Regular Hexagonal Prism	$6\left(as + sh\right)$	$3ash$
Cylinder	$2\pi r^2 + 2\pi rh$	πhr^2
Cone	$\pi r\left(r + \sqrt{h^2 + r^2}\right)$	$\frac{1}{3}\pi hr^2$
Tetrahedron	$\sqrt{3}s^2$	$\frac{s^3\sqrt{2}}{12}$
Triangular Pyramid	$\frac{1}{2}Ph_s + B$	$\frac{1}{3}Bh$
Square Pyramid	$2sh_s + s^2$	$\frac{1}{3}hs^2$
Rectangular Pyramid	$wh_s + lh_s + lw$	$\frac{1}{3}lwh$
Regular Pentagonal Pyramid	$\frac{5}{2}\left(as + sh_s\right)$	$\frac{5}{6}ash$
Regular Hexagonal Pyramid	$3\left(as + sh_s\right)$	ash

Area Formulas

Circle	πr^2	Rectangle	lw
Triangle	$\frac{1}{2}bh$	Regular Pentagon	$\frac{1}{2}Pa$
Square	s^2	Regular Hexagon	$\frac{1}{2}Pa$







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π	:	mathematical constant
r	:	radius of a circle
s	:	length of a side of a regular polygon
l	:	length
w	:	width
h	:	height
h_s	:	slant height of a pyramid
a	:	apothem of the base
B	:	area of the base
P	:	perimeter of the base