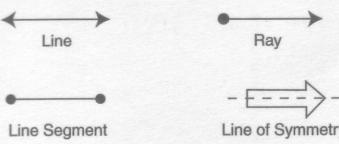
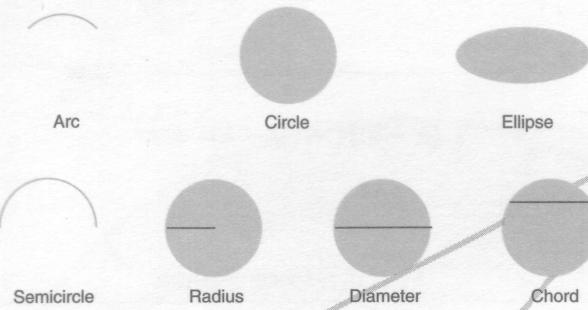


Geometry

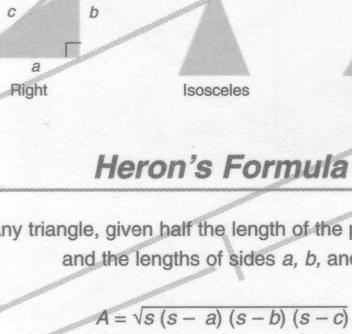
Lines



Circles



Triangles



Geometric Formulas

All Perimeters
 $P = a + b + c + \dots$

Square
 Perimeter $P = 4s$
 Area $A = s^2$

Rectangle
 Perimeter $P = 2l + 2w$
 Area $A = lw$

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

Triangle
 Perimeter $P = a + b + c$
 Area $A = \frac{1}{2}bh$

Parallelogram
 Perimeter $P = a + b + c + d$
 Area $A = bh$

Circular Sector
 θ
 $A = \frac{1}{2}r^2\theta$

Circular Ring
 Area $A = \pi(R^2 - r^2)$

Trapezoid
 Perimeter $P = a + b + c + d$
 Area $A = \frac{(a+b)h}{2}$

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

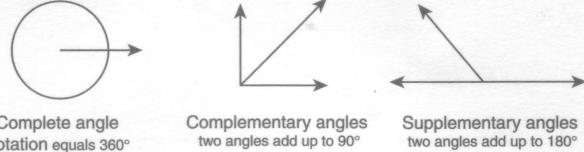
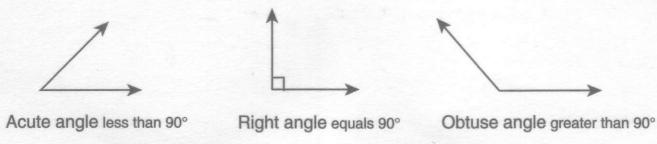
Rectangular Box
 Surface $S = 2(hl + lw + hw)$
 Volume $V = lwh$

Right Circular Cylinder
 Surface $S = 2\pi rh$
 Volume $V = \pi r^2 h$

Right Circular Cone
 Surface $S = \pi r\sqrt{r^2 + h^2}$
 Volume $V = \frac{1}{3}\pi r^2 h$

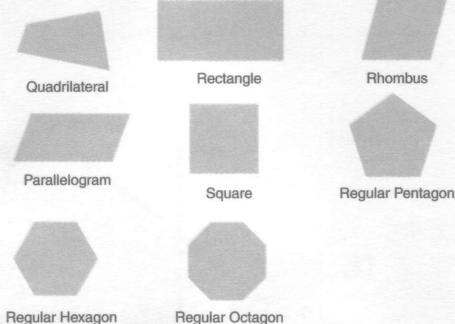
Frustum of a Cone
 Volume $V = \frac{1}{3}\pi h(r^2 + rR + R^2)$

Angles

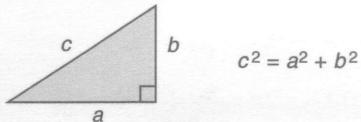


Straight angle equals 180°

Polygons



Pythagorean Theorem



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<http://library.thinkquest.org/2647/geometry/glossary.htm>

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<http://www.askdrmath.com/dr.math/faq/formulas/faq.regpoly.html>

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