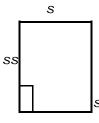
Geometric Formulas

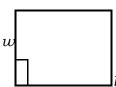
Square: Perimeter: P = 4s

Area: $A = s^2$



Rectangle: Perimeter: P = 2l + 2w

Area: A = lw



Parallelogram: Perimeter: P = 2a + 2b

Area: A = bh

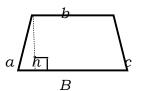
h

b

b

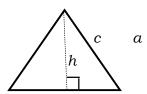
Trapezoid: Perimeter: P = a + b + c + B

Area: $A = \frac{1}{2}h(b+B)$



Triangle: Perimeter: P = a + b + c

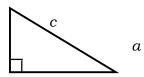
Area: $A = \frac{1}{2}bh$



b

Right Triangle: Pythagorean Theorem:

 $a^2 + b^2 = c^2$



d

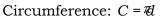
b

Circle: Diameter: d = 2r

d

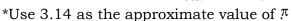
r

Radius



 $C = 2^{\overline{\iota}}r$

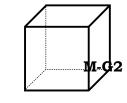
Area: $A = \pi r^2$



Spring 2019



Cube: Volume: $V = e^3$



Surface Area: $S = 6e^2$

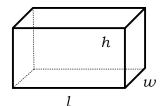
,

e

Rectangular Solid: Volume: V = lwh

Surface Area:

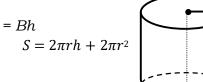
S = 2lw + 2lh + 2wh



Right Circular Cylinder: Volume: V = Bh

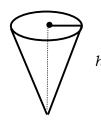
Surface Area:

h B is the area of the base or $B = \pi r^2$.



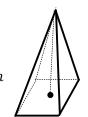
Cone: Volume: $V = \frac{1}{3}Bh$

B is the area of the base or $B = \pi r^2$.

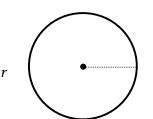


Pyramid: Volume: $V = \frac{1}{3}Bh$

B is the area of the base.



Surface Area: $S = 4\pi r^2$



*Use 3.14 as the approximate value of π Spring 2019

