

Area

Square: 

$$\text{side (side)} = ss$$

Rectangle: 

$$\text{length (width)} = lw$$

Parallelogram: 

$$\text{base (height)} = bh$$

Trapezoid: 

$$h/2 (b_1 + b_2)$$

Triangle: 

$$1/2 (bh)$$

Circle: 

$$\pi r^2$$

Equilateral Triangle:

$$\sqrt{3}/4 a^2$$



Sector: 

$$1/2 r^2\theta$$

θ = angle in radians

Ellipse: 

$$\pi r^1 r^2$$

Perimeter

Square:

$$4\text{side} = 4s$$

$$4\text{side} = s + s + s + s$$

Rectangle:

$$2L + 2w = L + L + w + w$$

Parallelogram:

$$2L + 2w = L + L + w + w$$

Trapezoid:

$$b_1 + b_2 + s + s$$

Triangle:

$$s + s + s$$

Circle (circumference):

$$2\pi r$$

Equilateral Triangle:

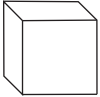
$$3s = s + s + s$$


Sector:


$$\theta/360\pi r^2$$


Surface Area

Cube:
 $6s^2$ 

Right Rectangular Prism:
 $2lw + 2lh + 2wh$ 

Any Right Solid:
 $2(\text{area of a base}) +$ 
lateral surface area

Right Triangular Prism:
 $lw + 2ls + wh$ 

Right Circular Cylinder:
 $2\pi r^2 + 2\pi rh$ 

Regular Square Pyramid:
 $s^2 + 2sl$ 

Right Circular Cone:
 $\pi r^2 + \pi rl$ 

Sphere:
 $4\pi r^2$ 

Lateral Surface Area

Right Circular Cylinder:
 $2\pi rh$

Regular Square Pyramid:
 $s^2 + 2sl$

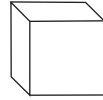
Right Circular Cone:
 $\pi r^2 + \pi rl$

Any Right Solid:
(perimeter of a base) x
height

Volume

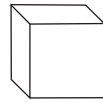
Cube:

$$s^3 = s \times s \times s$$



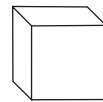
Right Rectangular Prism:

$$lwh$$



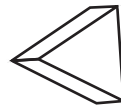
Any Right Solid:

(area of a base) x height



Right Triangular Prism:

$$\frac{1}{2}whl$$



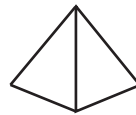
Right Circular Cylinder:

$$\pi r^2 h$$



Regular Square Pyramid:

$$\frac{1}{3}s^2 h$$



Right Circular Cone:

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



Sphere:

$$\frac{4}{3}\pi r^3$$

