

Surface Areas

Sphere: $S = 4\pi r^2$

Rectangular Prism: $S = 2(lw + lh + wh)$

Right Prism: $S = L + 2B$
B = Base Area

Right Cylinder: $S = 2\pi r h + 2\pi r^2$

Lateral Areas

Right Prism: $L = 2\pi r h$

In general: $L = p h$
p = perimeter of base

Volumes

General Prism: $V = bh$

Cylinder: $V = \pi r^2 h$

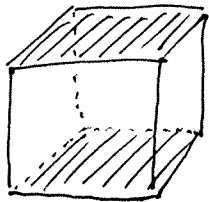
A new area

Rhombus: $A = ba$
 $a = \text{altitude}$
 $b = \text{base}$

Definitions

Prism: A polyhedron w/ 2 parallel bases

"Lateral": Faces of a polyhedron



} Rectangular prism
° Square bases are ||