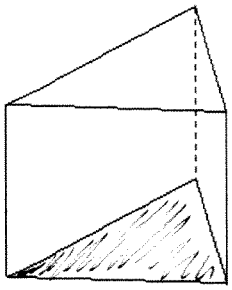
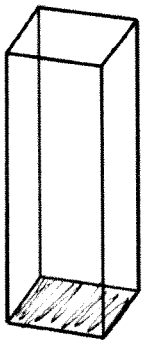
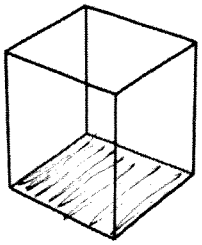
3D SHAPES

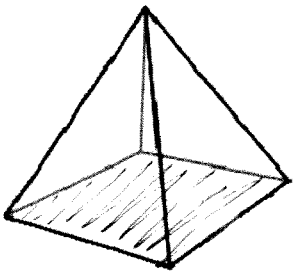
PRISMS

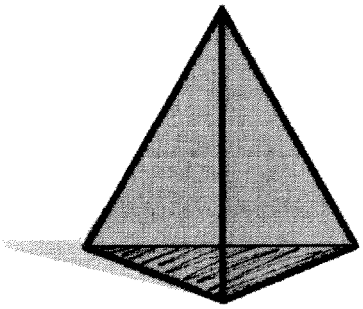


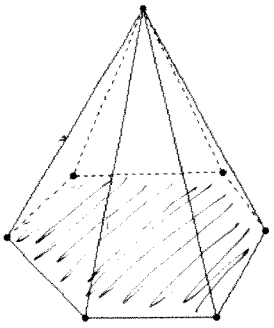




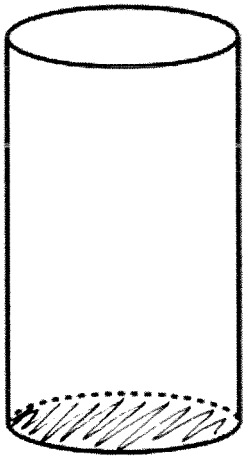
PYRAMIDS



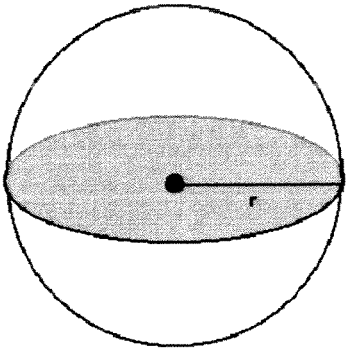




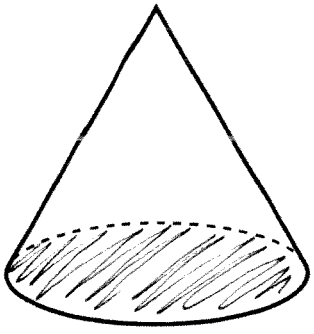
CYLINDERS



SPHERES



CONES

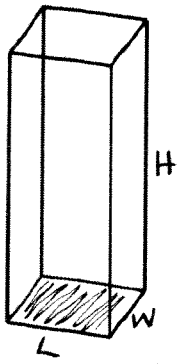


CHAPTER 8: VOLUME OF SHAPES

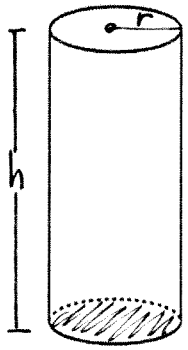
VOLUME: is the amount of space an object occupies

Prism: a solid is a prism if it has 2 identical bases and rectangles on its sides.

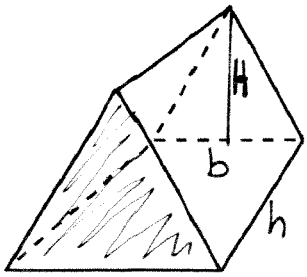
FORMULA for Prisms and Cylinders: $V = A_b \times h$



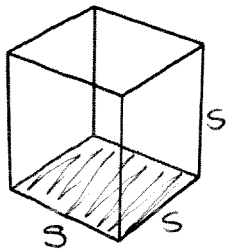
$V = A_b \times h$



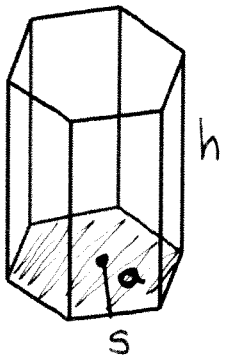
$V = A_b \times h$



$V = A_b \times h$

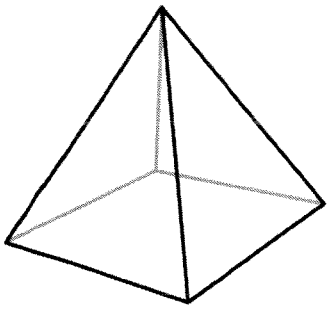
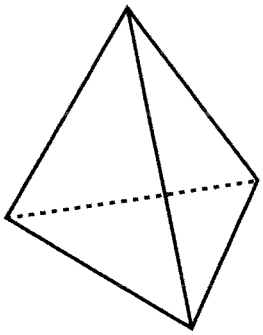
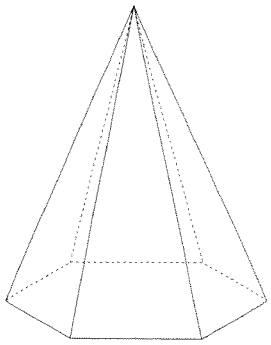


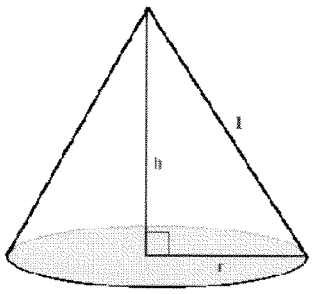
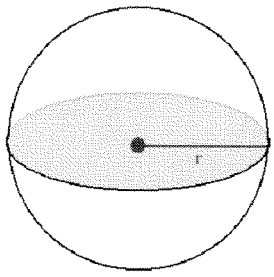
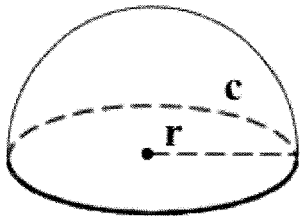
$V = A_b \times h$



$V = A_b \times h$

Volume of Pyramids

Square-Based Pyramid	Triangular-Based Pyramid	Hexagonal-Based Pyramid
		
$V = \frac{A_b \times h}{3}$	$V = \frac{A_b \times h}{3}$	$V = \frac{A_b \times h}{3}$

Volume of Cone	Volume of Sphere	Volume of Hemisphere
		
$V = \frac{A_b \times h}{3}$	$V = \frac{4\pi r^2}{3}$	$V = \frac{2\pi r^2}{3}$