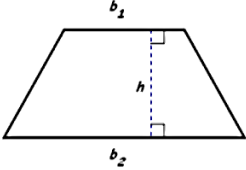
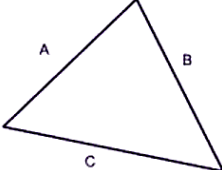
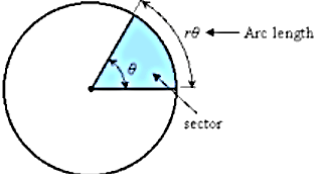
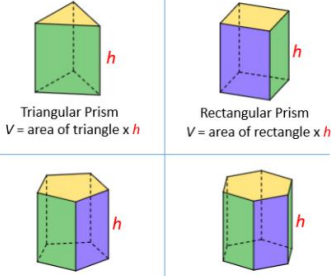
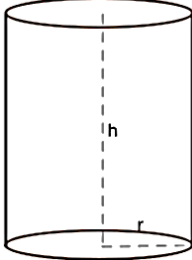
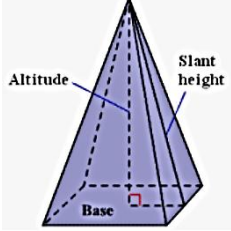
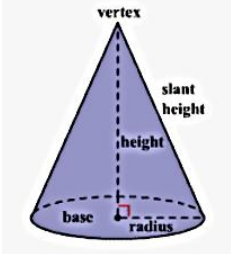
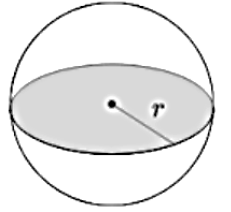


MTH 111 Geometry Formulas
 Fall 2020

Shape	Perimeter	Area
 <p>Trapezoid</p>		$A = \frac{1}{2}h(b_1 + b_2)$
		$A = \sqrt{s(s-a)(s-b)(s-c)}$ $s = \frac{1}{2}(a + b + c)$
	$s = r\theta$	$A = \frac{1}{2}r^2\theta$
Shape	Surface Area	Volume
 <p>Prism</p>		$V = B_{area}h$
 <p>Cylinder</p>	$SA = 2\pi rh + 2\pi r^2$	$V = \pi r^2 h$

 <p>Altitude</p> <p>Slant height</p> <p>Base</p> <p>Pyramid</p>		$V = \frac{1}{3} B_{area} h$
 <p>vertex</p> <p>slant height</p> <p>height</p> <p>base</p> <p>radius</p> <p>Cone</p>	$SA = \pi r^2 + \pi r s$	$V = \frac{1}{3} \pi r^2 h$
 <p>Sphere</p>	$SA = 4\pi r^2$	$V = \frac{4}{3} \pi r^3$