

Name \_\_\_\_\_ Date \_\_\_\_\_

## Chapter 11 Formula Chart

<i>3D Shape</i>	<i>Lateral Surface Area</i>	<i>Total Surface Area</i>	<i>Volume</i>
<b>Prism</b>	$L = Ph$	$T = Ph + 2B$	$V = Bh$
<b>Pyramid</b>	$L = \frac{1}{2}Pl$	$T = \frac{1}{2}Pl + B$	$V = \frac{1}{3}Bh$
<b>Cylinder</b>	$L = 2\pi rh$	$T = 2\pi rh + 2\pi r^2$	$V = \pi r^2 h$
<b>Cone</b>	$L = \pi rl$	$T = \pi rl + \pi r^2$	$V = \frac{1}{3}\pi r^2 h$
<b>Sphere</b>	_____	$T = 4\pi r^2$	$V = \frac{4}{3}\pi r^3$
<i>2D Shape</i>	<i>Area</i>		
<b>Triangle</b>	$A = \frac{1}{2}bh$		
<b>Rectangle/ Parallelogram</b>	$A = bh$		
<b>Rhombus/Kite</b>	$A = \frac{1}{2}d_1d_2$		
<b>Trapezoid</b>	$A = \frac{1}{2}(h)(b_1 + b_2)$		
<b>Regular Polygon</b>	$A = \frac{1}{2}aP$		
<b>Circle</b>	$A = \pi r^2$		