

Name _____ Date _____ Pd _____

Chapter 11 Formula Chart

Triangle	$A = \frac{1}{2}bh$		
Rectangle/ Parallelogram	$A = bh$		
Rhombus/Kite	$A = \frac{1}{2}d_1d_2$		
Trapezoid	$A = \frac{1}{2}(h)(b_1 + b_2)$		
Regular Polygon	$A = \frac{1}{2}aP$		
Circle	$A = \pi r^2$		
Area of a Sector	$\left(\frac{m^\circ}{360^\circ}\right)(\pi r^2)$		
Arc Length	$\left(\frac{m^\circ}{360^\circ}\right)(2\pi r)$		
Degrees to Radians	Multiply by $\frac{\pi}{180^\circ}$ or $\frac{2\pi}{360^\circ}$		
Radians to Degrees	Multiply by $\frac{180^\circ}{\pi}$ or $\frac{360^\circ}{2\pi}$		
3D Shape	Lateral Surface Area	Total Surface Area	Volume
Prism	$L = Ph$	$T = Ph + 2B$	$V = Bh$
Pyramid	$L = \frac{1}{2}Pl$	$T = \frac{1}{2}Pl + B$	$V = \frac{1}{3}Bh$
Cylinder	$L = 2\pi rh$	$T = 2\pi rh + 2\pi r^2$	$V = \pi r^2 h$
Cone	$L = \pi rl$	$T = \pi rl + \pi r^2$	$V = \frac{1}{3}\pi r^2 h$
Sphere	<hr style="width: 100%;"/>	$T = 4\pi r^2$	$V = \frac{4}{3}\pi r^3$