



**Start Strong Fall Administration
Algebra II Assessment Reference Sheet**

1 inch = 2.54 centimeters	1 kilometer = 0.62 mile	1 cup = 8 fluid ounces
1 meter = 39.37 inches	1 pound = 16 ounces	1 pint = 2 cups
1 mile = 5280 feet	1 pound = 0.454 kilograms	1 quart = 2 pints
1 mile = 1760 yards	1 kilogram = 2.2 pounds	1 gallon = 4 quarts
1 mile = 1.609 kilometers	1 ton = 2000 pounds	1 gallon = 3.785 liters
		1 liter = 0.264 gallons
		1 liter = 1000 cubic centimeters

Triangle	$A = \frac{1}{2}bh$	Quadratic Formula	$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
Parallelogram	$A = bh$	Arithmetic Sequence	$a_n = a_1 + (n - 1)d$
Circle	$A = \pi r^2$	Geometric Sequence	$a_n = a_1 r^{n-1}$
Circle	$C = \pi d$ or $C = 2\pi r$	Geometric Series	$S_n = \frac{a_1 - a_1 r^n}{1 - r}$ where $r \neq 1$
General Prisms	$V = Bh$	Radians	1 radian = $\frac{180}{\pi}$ degrees
Cylinder	$V = \pi r^2 h$	Degrees	1 degree = $\frac{\pi}{180}$ radians
Sphere	$V = \frac{4}{3}\pi r^3$		
Cone	$V = \frac{1}{3}\pi r^2 h$		
Pyramid	$V = \frac{1}{3}Bh$		

This mathematics reference sheet is to be used for the administration of the Start Strong mathematics assessment only and should not be used on the NJSLA mathematics assessments or during regular classroom instruction.