



# Algebra II Pacing & Assessment Guide

JMCSS DEPARTMENT OF CURRICULUM & INSTRUCTION

## TNReady Math Reference Sheet—High School

1 inch = 2.54 centimeters  
1 meter = 39.37 inches  
1 mile = 5,280 feet  
1 mile = 1,760 yards  
1 mile = 1.609 kilometers

1 kilometer = 0.62 mile  
1 pound = 16 ounces  
1 pound = 0.454 kilograms  
1 kilogram = 2.2 pounds  
1 ton = 2,000 pounds

1 cup = 8 fluid ounces  
1 pint = 2 cups  
1 quart = 2 pints  
1 gallon = 4 quarts  
1 gallon = 3.785 liters  
1 liter = 0.264 gallons  
1 liter = 1000 cubic centimeters

Pythagorean Theorem	$a^2 + b^2 = c^2$
Quadratic Formula	$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
Arithmetic Sequence	$a_n = a_1 + (n - 1)d$
Geometric Sequence	$a_n = a_1 r^{n-1}$
Finite Geometric Series	$S_n = \frac{a_1(1 - r^n)}{1 - r}$
Degrees	1 degree = $\frac{\pi}{180^\circ}$ radians
Radians	1 radian = $\frac{180^\circ}{\pi}$ degrees