

TNReady Math Reference Sheet—High School

1 inch = 2.54 centimeters
 1 mile = 5,280 feet
 1 mile = 1,760 yards
 1 mile = 1.609 kilometers
 1 kilometer = 0.62 mile
 1 meter = 39.37 inches

 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 = 1,000 cubic centimeters

Exponential Growth: $y = a(1 + r)^t$

Exponential Decay: $y = a(1 - r)^t$

Compound Interest: $A = P\left(1 + \frac{r}{n}\right)^{nt}$

Continually Compounding Interest:
 $A = Pe^{rt}$

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 = $\frac{\pi}{180}$ radians

Radians: 1 radian = $\frac{180}{\pi}$ degrees