

Same conversions & formulas provided on the NYS Regents — practice with the real thing.

Conversions

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 kilogram	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 gallon
		1 liter = 1000 cubic centimeters

Formulas

Triangle	$A = (1/2)bh$	Exponential Growth/Decay $A = A_0 e^{k(t - t_0)} + B_0$
Parallelogram	$A = bh$	
Circle	$A = \pi r^2$	
Circle	$C = \pi d$ or $C = 2 \pi r$	
General Prisms	$V = Bh$	
Cylinder	$V = \pi r^2 h$	
Sphere	$V = (4/3) \pi r^3$	
Cone	$V = (1/3) \pi r^2 h$	
Pyramid	$V = (1/3)Bh$	
Pythagorean Theorem	$a^2 + b^2 = c^2$	
Quadratic Formula	$x = (-b \pm \sqrt{b^2 - 4ac}) / 2a$	
Arithmetic Sequence	$a_n = a_1 + (n - 1)d$	
Geometric Sequence	$a_n = a_1 r^{(n-1)}$	
Geometric Series	$S_n = (a_1 - a_1 r^n) / (1 - r), r \neq 1$	
Radians	1 radian = 180/pi degrees	
Degrees	1 degree = pi/180 radians	