FORMULAS

Formula	Description
$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$	Distance formula
$\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$	Midpoint formula
$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$	Slope
$y = mx + b$	Slope-intercept form of line
$a^2 + b^2 = c^2$	Pythagorean theorem
$D = R \bullet T$	Distance

CONVERSIONS FOR UNITS OF MEASURE

U.S. Units of Length	U.S. Units of Capacity	U.S. Units of Weight
12 inches = 1 foot	8 ounces = 1 cup	16 ounces = 1 pound
3 feet = 1 yard	2 cups = 1 pint	2,000 pounds = 1 ton
5,280 feet = 1 mile	2 pints = 1 quart	
1,760 yards = 1 mile	4 quarts = 1 gallon	