FORMULAS

AREA of a:		
	square	Area = side^2
	rectangle	Area = length × width
	parallelogram	Area = base × height
	triangle	Area = $\frac{1}{2}$ × base × height
	trapezoid	Area = $\frac{1}{2} \times (\text{base}_1 + \text{base}_2) \times \text{height}$
	circle	Area = $\pi \times \text{radius}^2$; π is approximately equal to 3.14.
PERIMETER of a:		
	square	Perimeter = 4 × side
	rectangle	Perimeter = 2 × length + 2 × width
	triangle	Perimeter = $\text{side}_1 + \text{side}_2 + \text{side}_3$
CIRCUMFERENCE of a circle		Circumference = π × diameter; π is approximately equal to 3.14.
VOLUME of a:		
	cube	Volume = edge^3
	rectangular solid	Volume = length × width × height
	square pyramid	Volume = $\frac{1}{3}$ × $(\text{base edge})^2$ × height
	cylinder	Volume = $\pi \times \text{radius}^2$ × height; π is approximately equal to 3.14.
	cone	Volume = $\frac{1}{3} \times \pi \times \text{radius}^2$ × height; π is approximately equal to 3.14.
COORDINATE GEOMETRY		distance between points = $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$; (x_1, y_1) and (x_2, y_2) are two points in a plane.
		slope of a line = $\frac{y_2 - y_1}{x_2 - x_1}$; (x_1, y_1) and (x_2, y_2) are two points on the line.
PYTHAGOREAN RELATIONSHIP		$a^2 + b^2 = c^2$; a and b are legs and c the hypotenuse of a right triangle.
MEASURES OF CENTRAL TENDENCY		**mean** = $\frac{x_1 + x_2 + \ldots + x_n}{n}$, where the x's are the values for which a mean is desired, and n is the total number of values for x.
		median = the middle value of an odd number of *ordered* scores, and halfway between the two middle values of an even number of *ordered* scores.
SIMPLE INTEREST		interest = principal × rate × time
DISTANCE		distance = rate × time
TOTAL COST		total cost = (number of units) × (price per unit)