Formula Sheet

Area and Circumference

Triangle	$A = \frac{1}{2}bh$	A = area
Parallelogram	$A = bh$	b = base
Trapezoid	$A = \frac{1}{2}(b_1 + b_2)h$	h = height
Circle	$C = 2\pi r$	C = circumference
	$A = \pi r^2$	r = radius

Volume

Prism/Cylinder	$V = Bh$	V = volume
Pyramid/Cone	$V = \frac{1}{3}Bh$	B = area of base
Sphere	$V = \frac{4}{3}\pi r^3$	h = height
		r = radius

Distance, Rate, and Time

$d = rt$

d = distance

r = rate

t = time

1 yard = 3 feet
1 mile = 5,280 feet
1 meter = 1,000 millimeters
1 meter = 100 centimeters
1 kilometer = 1,000 meters

Pythagorean Theorem: In a right triangle with side lengths of a, b, and c, $a^2 + b^2 = c^2$.

Capacity, Weight, and Mass

1 pint = 2 cups
1 quart = 2 pints
1 gallon = 4 quarts
1 liter = 1,000 milliliters

1 pound = 16 ounces
1 gram = 1,000 milligrams
1 kilogram = 1,000 grams