Algebra II Formula Sheet

Geometric Formulas

$A = \frac{1}{2} bh$

$A = bh$

$V = lwh$
$S.A. = 2(lw + lh + wh)$

$V = \frac{1}{3} \pi r^2 h$
$S.A. = \pi r(l + r)$

$p = 4s$
$A = s^2$

$A = \frac{1}{2} h(b_1 + b_2)$

$V = \pi r^2 h$
$S.A. = 2\pi r(h + r)$

$V = \frac{1}{3} Bh$
$S.A. = \frac{1}{2} lp + B$

$p = 2(l + w)$
$A = lw$

$C = 2\pi r$
$A = \pi r^2$

$c^2 = a^2 + b^2$
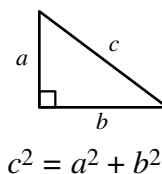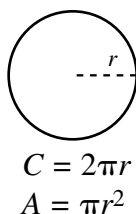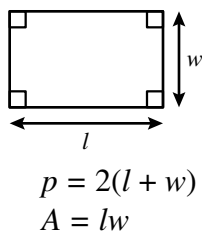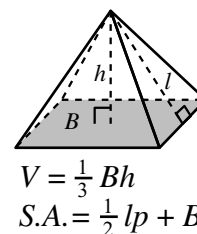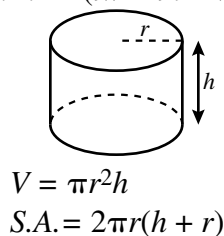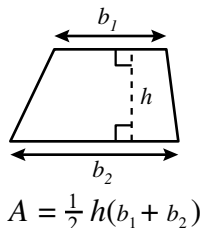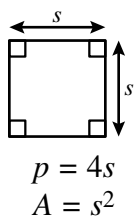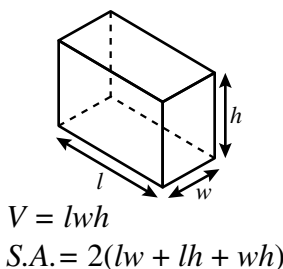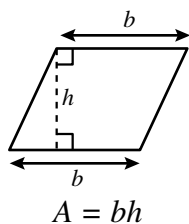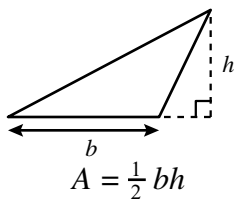
Abbreviations

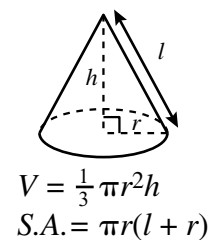|			
milligram	mg	ounce	oz
gram	g	pound	lb
kilogram	kg	quart	qt
milliliter	mL	gallon	gal.
liter	L	inch	in.
kiloliter	kL	foot	ft
millimeter	mm	yard	yd
centimeter	cm	mile	mi.
meter	m	square inch	sq in.
kilometer	km	square foot	sq ft
square centimeter	cm^2	cubic inch	cu in.
cubic centimeter	cm^3	cubic foot	cu ft

volume	V	year	yr
total surface area	S.A.	month	mon
area of base	B	hour	hr
		minute	min
		second	sec

Pi

$\pi \approx 3.14$

$\pi \approx \frac{22}{7}$

Quadratic Formula

$x = \dfrac{-b \pm \sqrt{b^2 - 4ac}}{2a}$