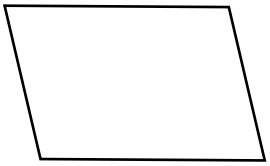
Geometry Formula Sheet

Perimeter (P) = units
Area (A) = units^2
Volume (V) = units^3

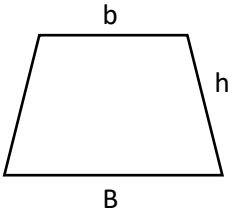
Square/Rectangle

P = S + S + S + S
$A = l \times w$



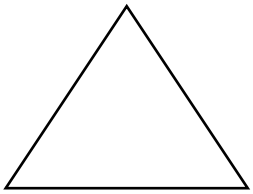
Parallelogram

P = S + S + S + S
$A = b \times h$



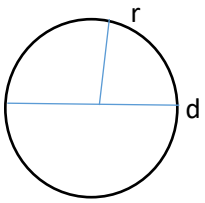
Trapezoid

P = S + S + S + S
$A = \frac{h \times (B + b)}{2}$



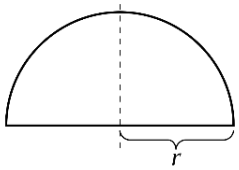
Triangle

P = S + S + S
$A = \frac{b \times h}{2}$



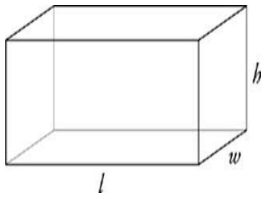
Circle

$C = 3.14 \times d$
$A = 3.14 \times r \times r$



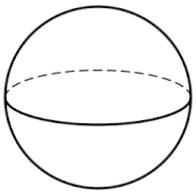
Semicircle

$A = \frac{3.14 \times r \times r}{2}$



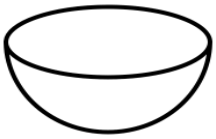
Rectangular Solids

$V = l \times w \times h$



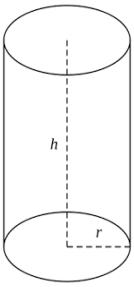
Sphere

$V = \frac{4 \times 3.14 \times r \times r \times r}{3}$



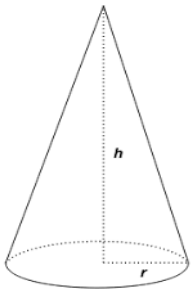
Hemisphere

$V = \frac{2 \times 3.14 \times r \times r \times r}{3}$



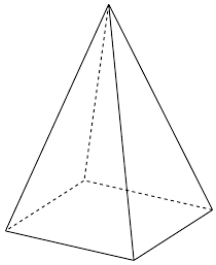
Cylinder

$V = 3.14 \times r \times r \times h$



Cone

$V = \frac{3.14 \times r \times r \times h}{3}$

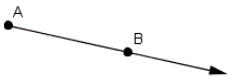


Pyramid

$V = \frac{l \times w \times h}{3}$

Cheat Sheet – Unit 3

1. Lines and Rays



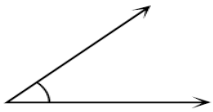
ray AB or $\overrightarrow{AB}$

line segment CD or $\overline{CD}$

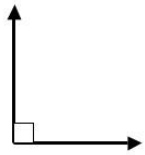
Line EF or $\overleftrightarrow{EF}$

2. Kinds of angles

a. Acute is less than 90°



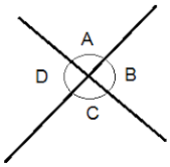
b. Right = 90°
(Look for the box)



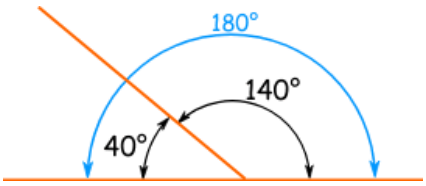
c. Obtuse is greater than 90° but less than 180°

d. Straight angle (line) has 180°

e. Opposite angles are the same. (A=C, B=D)



3. Supplementary angles add up to 180°



Complimentary angles add up to 90°