GEOMETRY

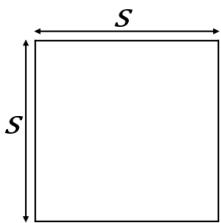## SQUARE

$P = 4s$
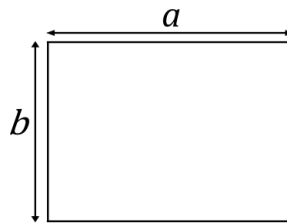$A = s^2$

RECTANGLE

$P = 2a + 2b$
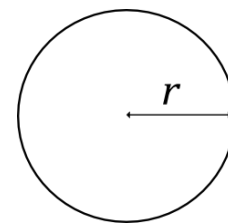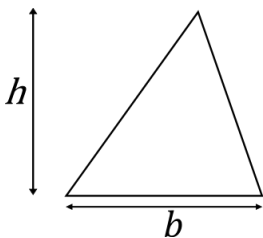$A = ab$

CIRCLE

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

TRIANGLE

$P = a + b + c$
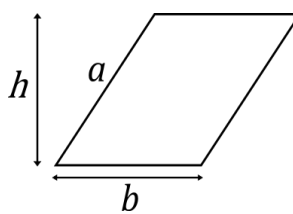$A = \dfrac{1}{2}bh$

PARALLELOGRAM

$P = 2a + 2b$
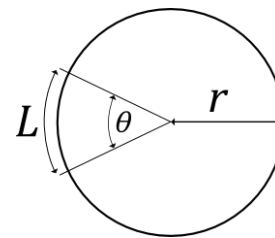$A = bh$
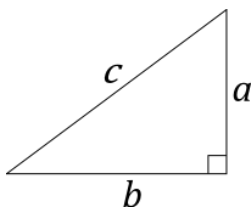
CIRCULAR SECTOR

$L = \pi r \dfrac{\theta}{180°}$

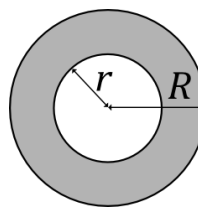$A = \pi r^2 \dfrac{\theta}{360°}$

PYTHAGOREAN THEOREM

$a^2 + b^2 = c^2$
$c = \sqrt{a^2 + b^2}$
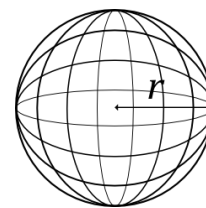
CIRCULAR RING
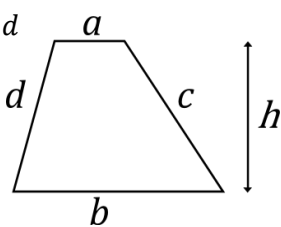
$A = \pi(R^2 - r^2)$

SPHERE

$S = 4\pi r^2$

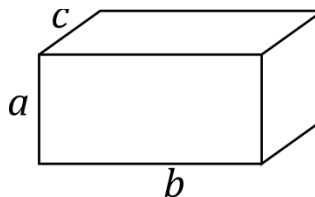$V = \dfrac{4\pi r^3}{3}$

TRAPEZOID

$P = a + b + c + d$

$A = h\dfrac{a + b}{2}$
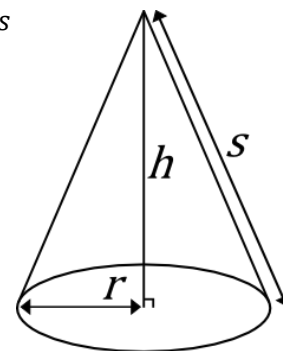
RECTANGULAR BOX

$A = 2ab + 2ac + 2bc$
$V = abc$

RIGHT CIRCULAR CONE
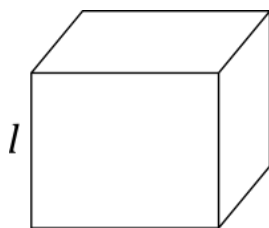
$A = \pi r^2 + \pi rs$
$s = \sqrt{r^2 + h^2}$
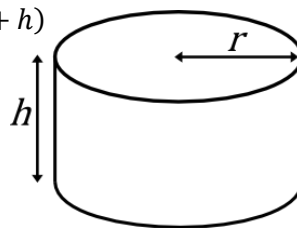$V = \dfrac{1}{3}\pi r^2 h$

CUBE

$A = 6l^2$
$V = l^3$

CYLINDER

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

FRUSTUM OF A CONE

$V = \dfrac{1}{3}\pi h(r^2 + rR + R^2)$

Solve my Math