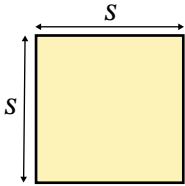


# GEOMETRY FORMULAS

## SQUARE

$$P = 4s$$

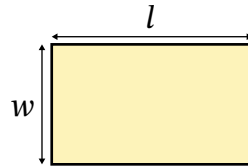
$$A = s^2$$



## RECTANGLE

$$P = 2l + 2w$$

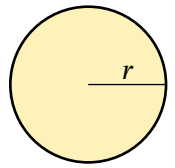
$$A = lw$$



## CIRCLE

$$C = 2\pi r$$

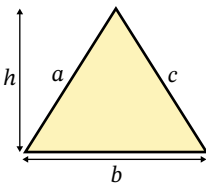
$$A = \pi r^2$$



## TRIANGLE

$$P = a + b + c$$

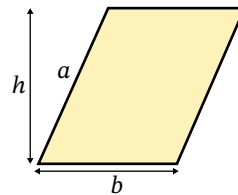
$$A = \frac{1}{2}bh$$



## PARALLELOGRAM

$$P = 2a + 2b$$

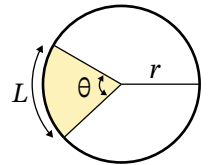
$$A = bh$$



## CIRCULAR SECTOR

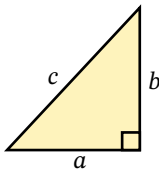
$$L = \pi r \frac{\theta}{180^\circ}$$

$$A = \pi r^2 \frac{\theta}{360^\circ}$$



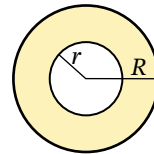
## PYTHAGOREAN THEOREM

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



## CIRCULAR RING

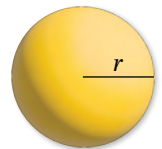
$$A = \pi(R^2 - r^2)$$



## SPHERE

$$SA = 4\pi r^2$$

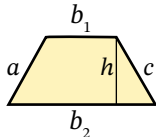
$$V = \frac{4}{3}\pi r^3$$



## TRAPEZOID

$$P = a + b_1 + b_2 + c$$

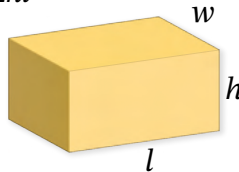
$$A = h \frac{b_1 + b_2}{2}$$



## RECTANGULAR PRISM

$$SA = 2lw + 2wh + 2hl$$

$$V = lwh$$

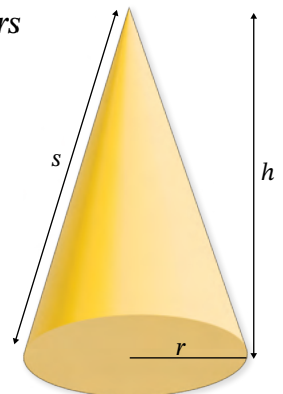


## RIGHT CIRCULAR CONE

$$s = \sqrt{r^2 + h^2}$$

$$SA = \pi r^2 + \pi rs$$

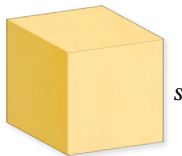
$$V = \frac{1}{3}\pi r^2 h$$



## CUBE

$$SA = 6s^2$$

$$V = s^3$$



## CYLINDER

$$SA = 2\pi r^2 + 2\pi rh$$

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

