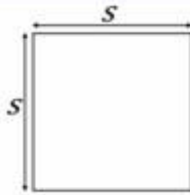


GEOMETRY SHAPES AND SOLIDS

SQUARE

$$P = 4s$$

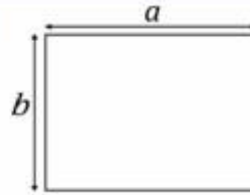
$$A = s^2$$



RECTANGLE

$$P = 2a + 2b$$

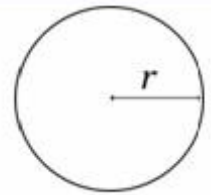
$$A = ab$$



CIRCLE

$$P = 2\pi r$$

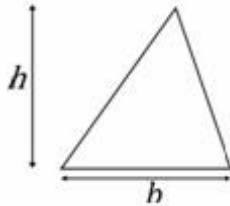
$$A = \pi r^2$$



TRIANGLE

$$P = a + b + c$$

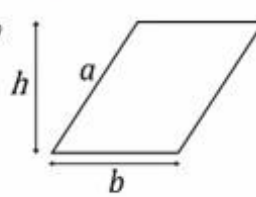
$$A = \frac{1}{2}bh$$



PARALLELOGRAM

$$P = 2a + 2b$$

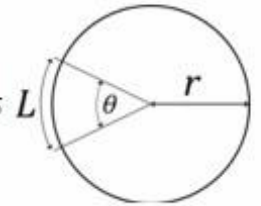
$$A = bh$$



CIRCULAR SECTOR

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

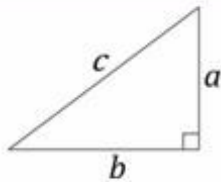
$$A = \pi r^2 \frac{\theta}{360^\circ}$$



PYTHAGOREAN THEOREM

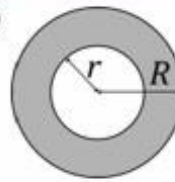
$$a^2 + b^2 = c^2$$

$$c = \sqrt{a^2 + b^2}$$



CIRCULAR RING

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



SPHERE

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

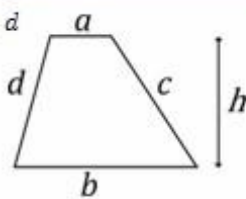
$$V = \frac{4\pi r^3}{3}$$



TRAPEZOID

$$P = a + b + c + d$$

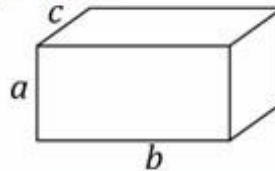
$$A = h \frac{a + b}{2}$$



RECTANGULAR BOX

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

$$V = abc$$

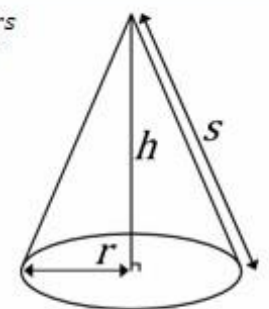


RIGHT CIRCULAR CONE

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

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

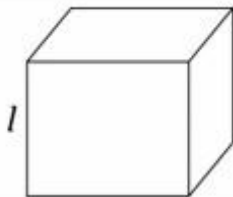
$$V = \frac{1}{3}\pi r^2 h$$



CUBE

$$A = 6l^2$$

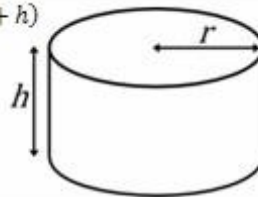
$$V = l^3$$



CYLINDER

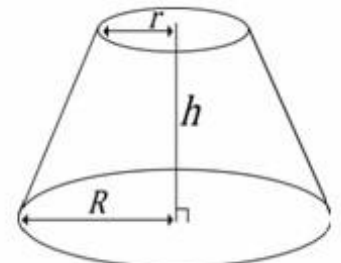
$$A = 2\pi r(r + h)$$

$$V = \pi r^2 h$$



FRUSTUM OF A CONE

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



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