

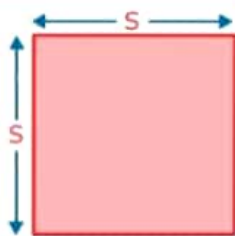
# 2D – SHAPES

**Square**

(P = Perimeter)  
(A = Area)

$$P = 4s$$

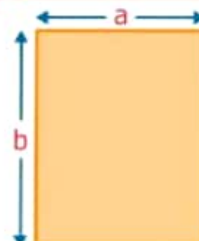
$$A = s^2$$



**Rectangle**

$$P = 2(a + b)$$

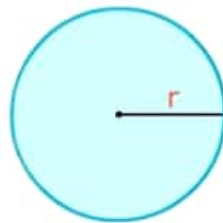
$$A = a \cdot b$$



**Circle**

$$P = 2\pi r$$

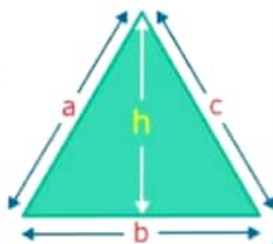
$$A = \pi r^2$$



**Triangle**

$$P = a + b + c$$

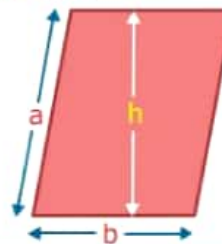
$$A = \frac{1}{2} b \cdot h$$



**Parallelogram**

$$P = 2(a + b)$$

$$A = b \cdot h$$

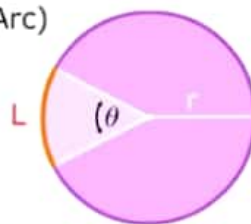


**Circular sector**

(L = Length of Arc)

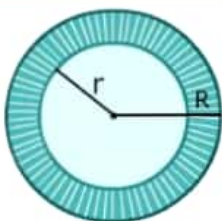
$$L = 2\pi r \cdot \frac{\theta}{360^\circ}$$

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



**Circular ring**

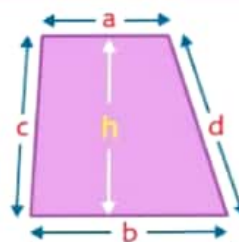
$$A = \pi(R^2 - r^2)$$



**Trapezoid**

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

$$A = \frac{1}{2} h \cdot (a + b)$$



**Rhombus**

$$P = 4b$$

$$A = b \cdot h$$

