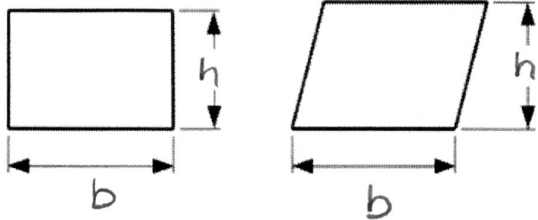


I can find **area, volume, and surface area** of 2D and 3D figures.

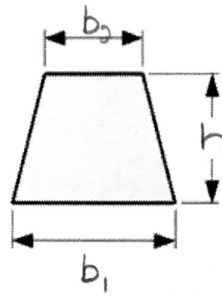
**Area of Parallelograms**

"aka length x width"



$$A = b \cdot h$$

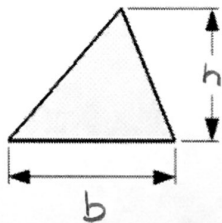
**Area of Trapezoids**



"Average base times height"

$$A = \left(\frac{b_1 + b_2}{2}\right) \cdot h$$

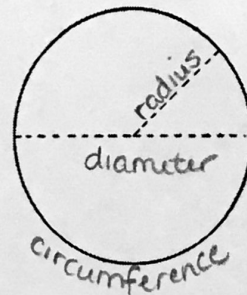
**Area of Triangles**



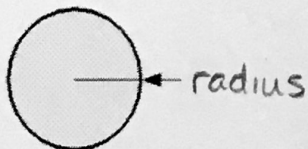
"Half of the base times height"

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

**Parts of a Circle**

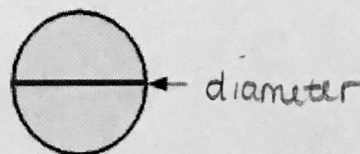


**Area of Circles**



$$A = \pi r^2$$

**Circumference of Circles**



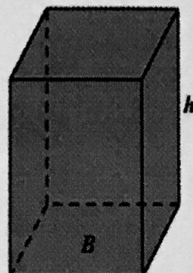
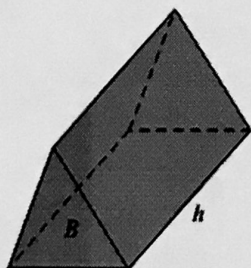
$$C = \pi d$$

or

$$C = 2\pi r$$

**Volume of Prisms**

Base = face on each end of prism (same face)



area of the base

↓

$$V = B \cdot h$$