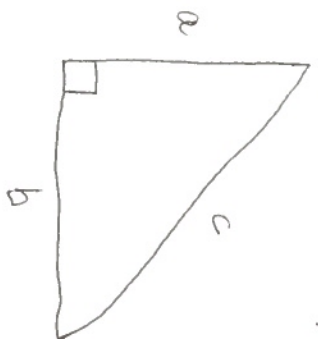


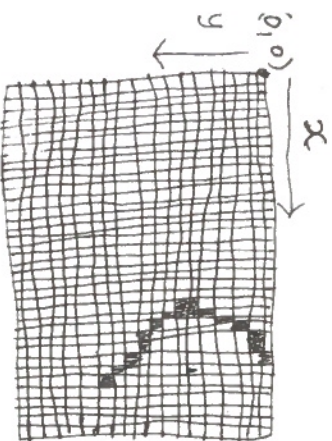
# PYTHAGORAS'S THEOREM

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

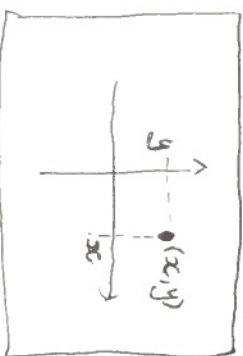


SOH - CAH - TOA

$$\begin{aligned} \text{SOH} \\ \sin \theta &= \frac{O}{H} = \frac{\text{OPPOSITE}}{\text{HYPOTENUSE}} \\ \text{CAH} \\ \cos \theta &= \frac{A}{H} = \frac{\text{ADJACENT}}{\text{HYPOTENUSE}} \\ \text{TOA} \\ \tan \theta &= \frac{O}{A} = \frac{\text{OPPOSITE}}{\text{ADJACENT}} \end{aligned}$$



## CARTESIAN COORDINATES



## POLAR COORDINATES.

