Trigonometry

The study of triangles and the relationship between sides and angles.

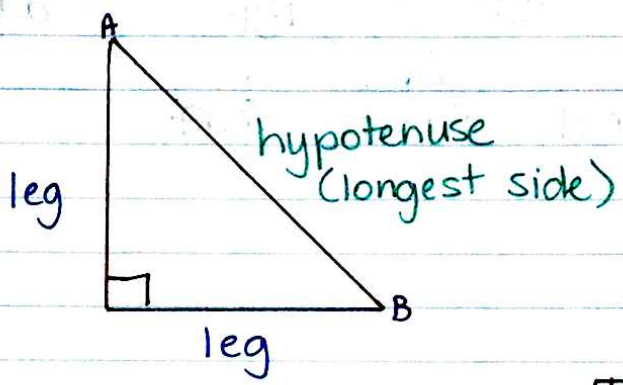
What we remember:

all $\triangle = 180°$

so

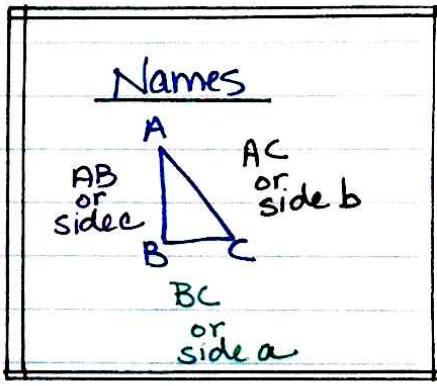
$\angle A + \angle B = 90°$

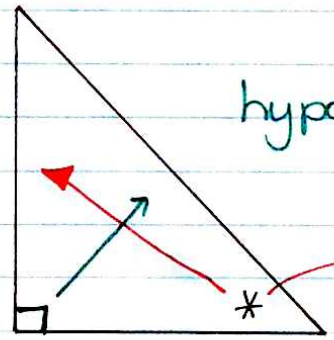
Complementary $\angle$s



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

Labelling a $\triangle$.





hypotenuse

opposite side (across from reference $\angle$)

reference angle (starting point) this determines how long the opposite side is.

adjacent side (beside reference $\angle$)

Ratios

sin	cos	tan
$\sin A = \frac{opp}{hyp}$	$\cos A = \frac{adj}{hyp}$	$\tan A = \frac{opp}{adj}$