TRIGONOMETRY	HOW TO … ?	Y 9

- Draw a diagram
- Write on it all the relevant information
- Give a name to the quantity you are looking for and add it to your diagram

then :

In order to …	… you may use …
… **find an angle** in a triangle (not necessarily right angled)	• Angles in a triangle add up to 180°. • Alternate angles on parallel lines are equal (Z shape) • co-interior angles
… **find an angle** in a right angled triangle	• All the methods that work in any triangle and • SOH CAH TOA and then $\sin^{-1}$, or $\cos^{-1}$ or $\tan^{-1}$ the calculator gives you the result (SHIFT cos…)
… **find a side** in a right angled triangle	• Pythagoras' s theorem • SOH CAH TOA
… solve a problem involving **bearings**	• Draw a diagram • To draw a bearing *from A*, first draw on a compass rose *centred at A*. Then draw the bearing. Remember that bearings are measured from the North, turning clockwise) • Alternate angles on parallel lines are equal (Z shape) • co-interior angles • all the "right angled triangle tools."