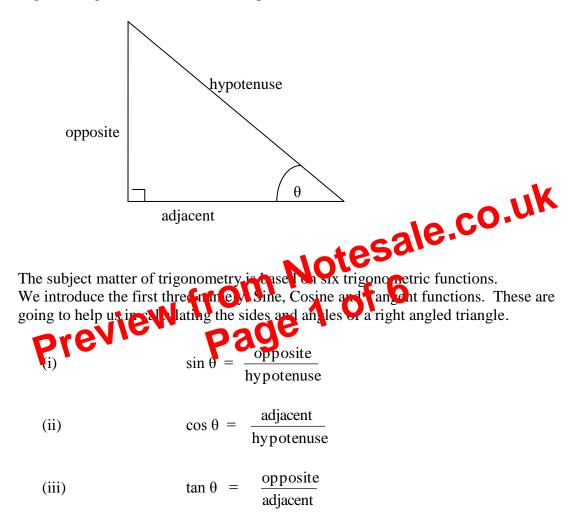
CHAPTER 01

TRIGONOMETRY

Trigonometry is a branch of mathematics that deals with angles, triangles and the trigonometric functions which have to do with the ratios between the sides of a right angled triangle. It is one of the most practical branches of mathematics.



The other three additional trigonometric functions are Cosecant, Secant and Cotangent.

(i)
$$\operatorname{cosec} \theta = \frac{1}{\sin \theta} = \frac{\operatorname{hypotenuse}}{\operatorname{opposite}}$$

(ii)
$$\sec \theta = \frac{1}{\cos \theta} = \frac{\text{hypotenuse}}{\text{adjacent}}$$