

14/09/XX

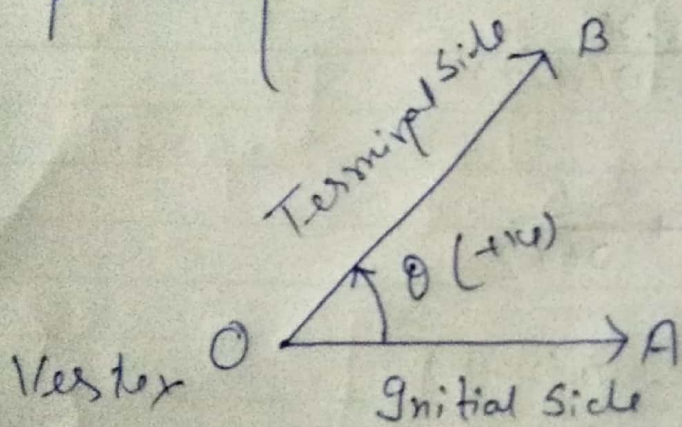
Class-XI (MATHS)

K. Kanhaiya

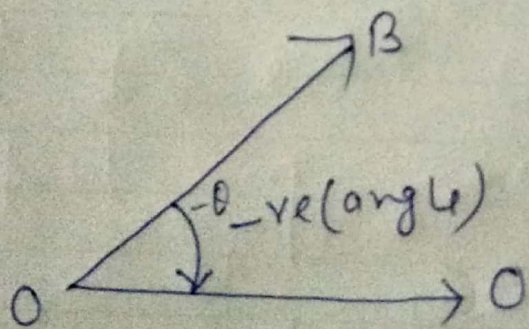
Trigonometry

Trigonometry
(Three) (Measurement)

Trigonometry is that branch of mathematics which deals with the angles and problem allied with the angle.



If ' θ ' measures in anticlockwise then it is said to be +ve.



If ' θ ' measures in clockwise dirⁿ then it is said to be -ve angle.

Note:-

If one complete angle is divided into 360° equal parts, then each part is called 1

$$1^\circ = \frac{1}{360} \times 360^\circ \Rightarrow 1$$

If 1° is divided into 60 equal parts then each part is called 1 minute

$$1' = \frac{1}{60} \times 1^\circ$$

i.e. $\boxed{1^\circ = 60'}$

If $1'$ is divided into 60 equal parts then each part is called 1 second.

$$1'' = \frac{1}{60} \times 1'$$

$$\boxed{1' = 60''}$$