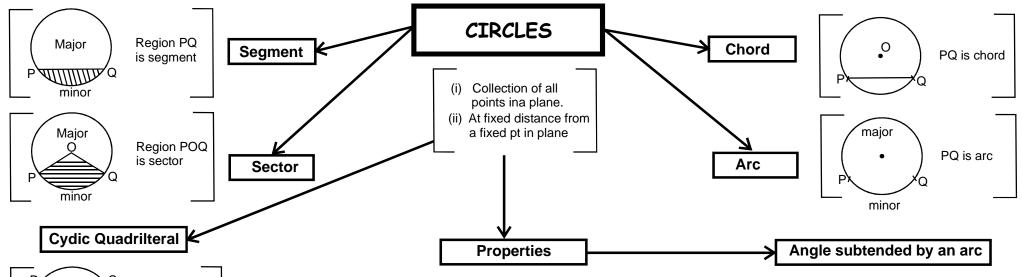
Circles

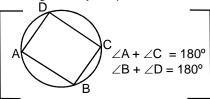


Property

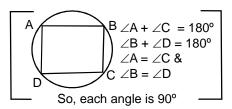
(i) Sum of either pair of opposite angles of cydic quad. is 180°

ABCD is cyclic

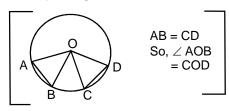
as all vertices touches the circle.



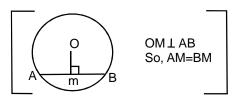
Eg:- Cyclic IIgm is rectangle



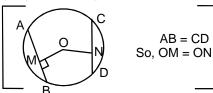
(i) Equal chord of a circle subtend equal angles at the centre.



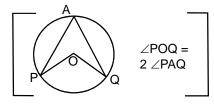
(ii) \perp from centre of a circle bisectsthe chord.



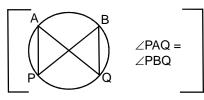
(iii) Equal chord equi - distant from centre.



(i) Angle subtended at the centre is double the subtended on remaining put of circle.



(ii) Angles is the same segment of a circle are equal.



(iii) Angle in semi-cirde is right

