

Unit 12 Angle in a Segment of a Circle

Q: Define central angle.

A central angle is subtended by two radii at the center of the circle. In figure, $\angle AOB$ is the central angle of a circle.

Q: Define circumangle.

A circumangle is subtended between any two chords of a circle, having common point on its circumference. In the figure $\angle ACB$ is the circumangle.

Q: Define cyclic quadrilateral.

A quadrilateral is called cyclic when a circle can be drawn through its four vertices.

Q: Define in-center.

Incentre of a triangle is the centre of a circle inscribed in a triangle.

Q: Define chord of a circle.

The line segment joining any two points on the circumference of a circle is called Chord. In figure \overline{AB} is a Chord.

