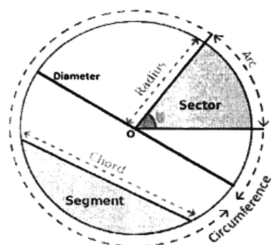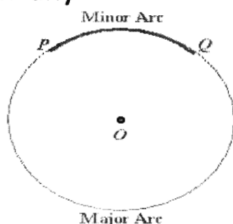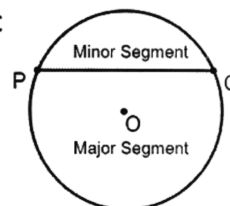# CIRCLES

MIND-MAP

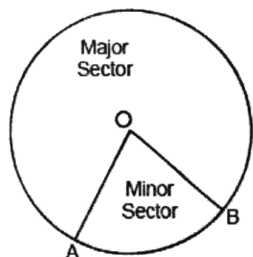**Terms related to Circle**

Sections formed between any two points on circumference
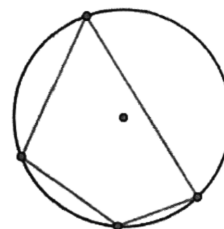

Sections formed between chord & arc

Sections formed between radii and arc

Cyclic Quadrilateral : A quadrilateral having its all four vertices on the circumference of a circle

Some theorems on circle

Equal chords of a circle subtends equal angles at the centre of a circle.

The perpendicular from the centre of a circle bisects the chord.

Equal chords of a circle are equidistant from the centre of a circle.

The sum of either pair of opposite angles of a cyclic quadrilateral is 180^0.

The angle subtended by an arc at the centre is double the angle subtended by it on the remaining part of the circle.

IX – Mathematics