

Circles

1. Definition: Collection of points at a constant distance from a fixed point in a plane.
2. Radius: A line segment with one end point on the centre and other on the circle

Or

A line segment from centre of circle to any point on the circle.

3. Chord: A line segment with end points on the circle.

4. Arc: Part of circle

Minor arc: less than half of circle

Semi Circle: Half of the circle.

Major Arc: More than half of the circle

5. Naming of Arc: Using three capital alphabets

or

Using two capital alphabets in anti clockwise direction

8. Diameter: Longest Chord

Or

Chord passing through centre of circle.

Or

A line segment having end points on circle and passing through the centre of circle.

9. Circular Region: Circle and its interior
6. Secant: A line which intersects circle at two points.
7. Tangent: A line which intersects circle at a point.
10. Sector: Region enclosed between two radii and their corresponding arc.
11. Segment: Region enclosed between a chord and its corresponding arc.

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