

- i) The centre of a circle lies in interior of the circle.
- ii) A point, whose distance from the centre of a circle is greater than its radius lies in exterior of the circle.
- iii) The longest chord of a circle is a diameter of the circle.
- iv) An arc is a semicircle when its ends are the ends of a diameter.
- v) segment of a circle is the region between an arc and the chord of the circle.
- vi) A circle divides the plane, on which it lies, in three parts.

2) Line segment joining the centre to any point on the circle is radius of the circle?

Ans) True

ii) A circle has only finite number of equal chords?

Ans) ~~True~~ False

iii) If a circle is divided into three equal arc each is a major arc?

Ans) False

iv) A chord of a circle, which is twice as long as its radius, is a diameter of the circle?

ANS → TRUE

v) Sector is the region between the chord and its corresponding arc?

ANS → FALSE

vi) A circle is a plane figure?

ANS → TRUE