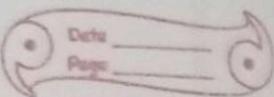


## Exercise 10.1



1. Fill in the blanks:

- 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 the 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, into Three parts.

2. Write true or false: Give reasons for your answers

- i) Line segment joining the centre to any point on the circle is a radius of the circle. T
- ii) A circle has only finite number of equal chords. F

If a circle is divided into three equal arcs each is a major arc  $\boxed{P}$

Q) A chord of a circle which is twice as long as its radius is a diameter of the circle  $\boxed{T}$

a  
V) Sector is the region between the chord and its corresponding arc  $\boxed{P}$

or Q) A circle is a plane figure.  $\boxed{T}$

Exercise 10.2