

2.11.2021

Circles

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 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. Write true or false.

(i) Line segment joining the centre to any point on the circle is a radius of the circle. True

(ii) A circle has only finite no of equal parts. False

Q10) If a circle is divided into three equal arcs, each is a major arc. False.

Q11) A chord of a circle, which is twice as long as its radius, is a diameter of the circle. True.

Q12) Sector is the region between the chord and its corresponding arc. False.

Q13) A circle is a plane figure. True.