

**CBSE Class 9 Mathematics**  
**NCERT Solutions**  
**CHAPTER 10**  
**Circles(Ex. 10.1)**

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**1. Fill in the blanks:**

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

**Ans. (i)** interior

**(ii)** exterior

**(iii)** diameter

**(iv)** semi-circle

**(v)** the chord

**(vi)** three

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**2. Write True or False:**

- (i) Line segment joining the centre to any point on the circle is a radius of the circle.
- (ii) A circle has only finite number of equal chords.
- (iii) If a circle is divided into three equal arcs each is a major arc.

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

**(v) Sector is the region between the chord and its corresponding arc.**

**(vi) A circle is a plane figure.**

**Ans. (i) True**

**(ii) False**

**(iii) False**

**(iv) True**

**(v) False**

**(vi) True**