

Class 10 Mathematics - Areas Related to Circles

Name: _____

Date: _____

Easy Worksheet 4

Questions

1. State the formula for the area of a sector.
2. State the formula for the length of an arc.
3. What is θ in the sector formula?
4. What is r in the sector formula?
5. What is meant by the corresponding arc?
6. What is meant by the corresponding chord?

Answer Key

1. Area of Sector = $(\theta/360) \times \pi r^2$
2. Length of Arc = $(\theta/360) \times 2\pi r$
3. Central angle of the sector.
4. Radius of the circle.
5. The arc forming the boundary of the sector or segment.
6. The chord joining the endpoints of the arc.