

## Maths - 10th Class Mathematics English Medium Chapter 7 Preparation

Q1. Define arms of an angle.

**Ans 1:** The rays that form an angle are called arms of an angle

Q2. What is initial side of an angle ?

**Ans 1:** If we make an angle by rotating a ray from one position to another, when we form an angle in this way, the original position of the ray is called initial side of the angle.

Q3. Convert  $124^{\circ}22'$  into radian.

**Ans 1:**

Q4.

**Ans 1:**

Q5. What is one revolution ?

**Ans 1:** An angle of  $360^{\circ}$  denotes complete circle or one revolution.

Q6. Define radian.

**Ans 1:** The angle subtended at the centre of the circle by an arc, whose length is equal to the radius of the circle is called one radian.

Q7. Find the area of the sector of a circle of radius 16cm if the angle at the centre is  $60^{\circ}$

**Ans 1:**

Q8. What is terminal side ?

**Ans 1:** If we make an angle by rotating a ray from one position to another, when we form an angle in this way, the final position of the ray is called terminal side of an angle.

Q9. Convert  $12^{\circ}23'35''$  to decimal degrees correct to three decimal places.

**Ans 1:**

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Q10. Define arc.

**Ans 1:** A part of the circumference of a circle is called an arc.

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