Maths (New Book) - 10th Class Mathematics English Medium Chapter 8 Preparation

Q1. Define segment of a circle.

Ans 1: A part of the circle bounded by an arc and a chord is called segment of a circle.

Q2. Define arms of an angle.

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

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Q3. What are circular or trigonometric functions ?

Ans 1:

Q4. Find the value of sin 315° without using table or calculator.

Ans 1:

Q5. Define radian measure of an angle.

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.

Q6. Define vertex.

Ans 1: The common end point of arms that form an angle is called vertex.

Q7. What is the sexagesimal system of measurement of angles ?

Ans 1: The sexagesimal system of measurement is the measurement of angle in (degree, minute and second).

Q8. Convert 15° to radians.

Ans 1:

Q9.

Ans 1:

Q10. Express 6.1 radians into degrees.

Ans 1:
