Maharashtra State Board Class IX Mathematics – Geometry Board Paper 1

Time: 2 hours

Total Marks: 40

- Note: (1) All questions are compulsory.
 - (2) Use of calculator is not allowed.

1. Attempt any five sub-questions from the following:

5

- An exterior angle of a triangle is 80° and two interior opposite angles are equal. Find the measure of each of these angles.
- In the given figure, AB = AC and ∠ACD = 105°, find ∠BAC.

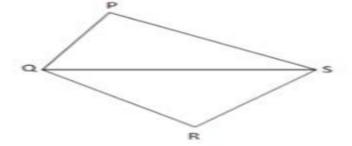


- iii. If P is the centre of the circle with radius 6.7 cm, d(P, R) = 5.7 cm, find the position of the point R with respect to the circle.
- iv. Find the distance between the points A(2, 5) and B(-6, 8).
- v. Evaluate: $\frac{\cos 80^{\circ}}{\sin 10^{\circ}} + \cos 59^{\circ} \times \csc 31^{\circ}$
- vi. The side of a square- shaped field is 300 m long. Find the cost of leveling the field at the rate of Rs.1.25 per m².

2. Attempt any four sub-questions from the following:

8

 In □PQRS, side QS is the angle bisector of ∠PQR and ∠PSR. Prove that: ΔPQS ≅ ΔRQS and ∠P ≅ ∠R.



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Richard Bailey

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In some sort of driven by information and connectivity, the energy of words has are more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such is the essence of the book **Geometry Answers 9th Standard Maharashtra Board**, a literary masterpiece that delves deep in to the significance of words and their effect on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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