

Past Paper Questions

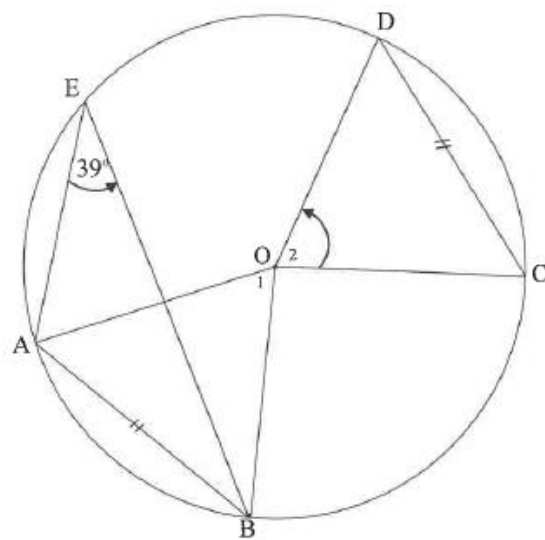
Grade 11

Geometry on Geometry Theorems Part 1 Document

Go through the Geometry Theorems Part 1 and do the following questions

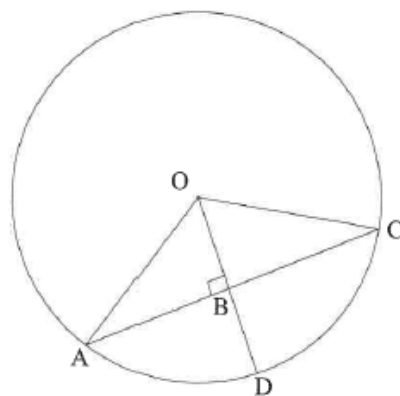
QUESTION 9

- 9.1 In the figure, O is the centre of the circle. A , B , C , D and E lie on the circle such that chord AB and chord DC are equal in length and $\hat{AEB} = 39^\circ$.



- 9.1.1 Determine the size of \hat{O}_1 . (2)

- 9.3 In the diagram, O is the centre of the circle. Chord AC is perpendicular to radius OD at B . $OB = 2x$ units and $AC = 8x$ units.



- Show that the length of BD is $2x(\sqrt{5}-1)$ units. (5)