



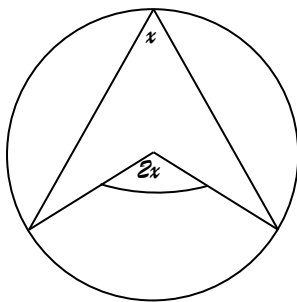
Provincial Department of Education-Sabaragamuwa-Week School.

Subject-Mathematics

Grade 10

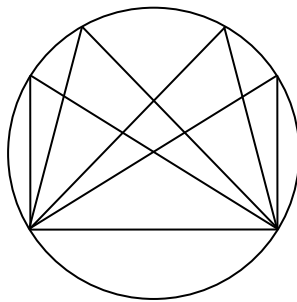
Week: 47

Translated by: D.G.D. Deshapriya
Kg/Dehi/ Yatiyanthota Central College



Theorem

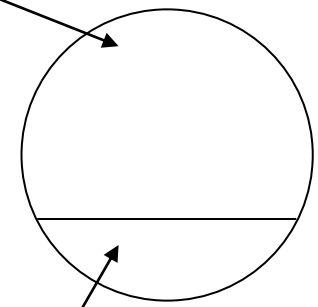
The angle subtended by an arc at the centre of a circle is twice the angle subtended by the same arc on the remaining part of the circle.



Theorem

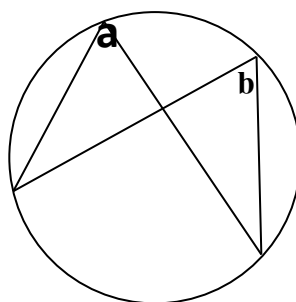
The angles in the same segment of a circle are equal

Major segment



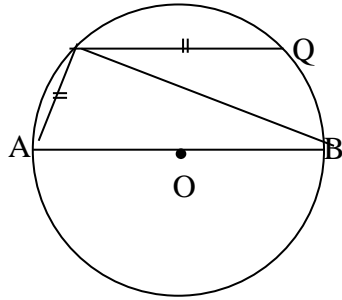
Minor segment

01. According to the information in the given figure.
- Write down a relationship between angles “a” and “b”
 - Write down the geometrical theorem used for that.



02. AB is a diameter of the circle with centre “O”. AP and PQ are two equal chords.
- Copy the information given in the figure and join PQ and AQ.
Find the value of APB.
 - Write two angles equal to PAQ

iii. Show that $QB \parallel PO$ are parallel.



Do the exercise 31.5 / 31.6 / 31.7 in text book