



ST. LAWRENCE HIGH SCHOOL



A Christian Jesuit minority Institution

Subject: Mathematics

Class: X

Date: 10.04.2020

Worksheet 4

Chapter-theorems related to angles in a circle

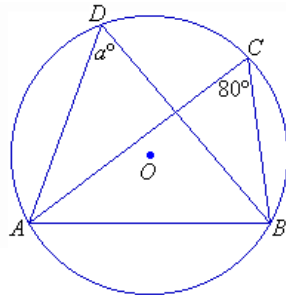
Topic- the theorem- in a circle ,angles in the same segment and on the same arc are equal

1. Choose the correct alternative

1x15=15

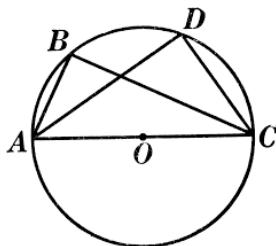
i) The angles in a circle in the same segment and on the same arc are

a) Equal b) not equal c) right angles d) none of these

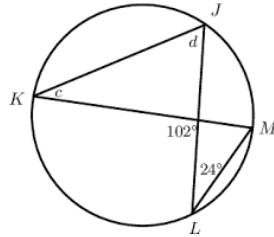


ii) The measure of a° is a) 40° b) 80° c) 50° d) none of these

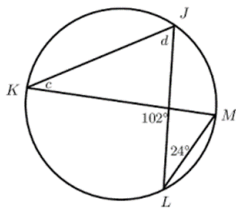
iii) Measure of angle ABC is a) 80° b) 90° c) 40° c) none of these



iv) Measure of c in the following figure is a) 102° b) 78° c) 24° d) none of these

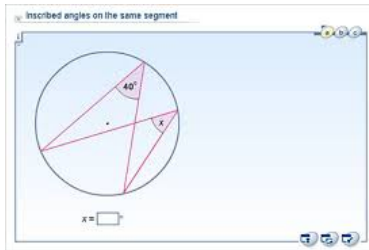


v) Measure of d of these



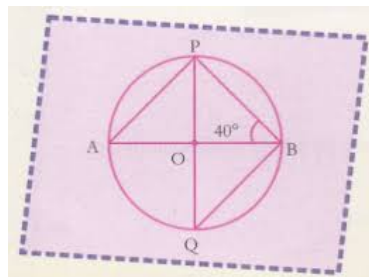
in the following figure is a) 78° b) 56° c) 24° d) none

vi) Measure of

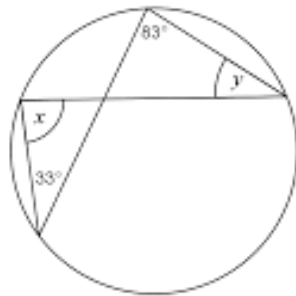
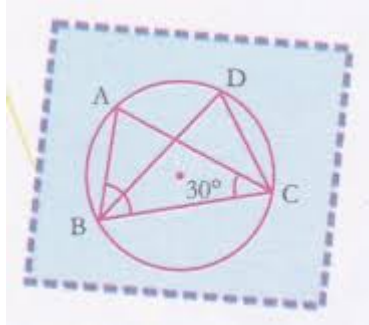


x is a) 20° b) 40° c) 60° d) none of these

vii) In the following circle with centre O , measure of angle BQO is a) 40° b) 100° c) 50° d) none of these

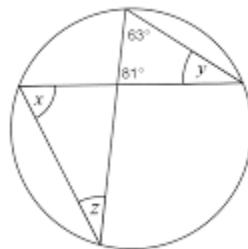


viii) In the following figure, $AC=BC$, The measure of $\angle BDC$ is a) 75° b) 60° c) 30° d) none of these



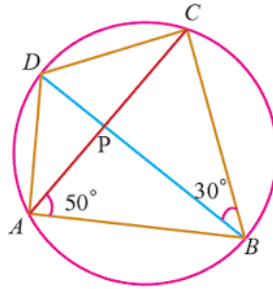
ix) In the following figure sum of the measure of x and y is a) 110° b) 116° c) 118° d) none of these

x) Measure of a) 36° b) 63°



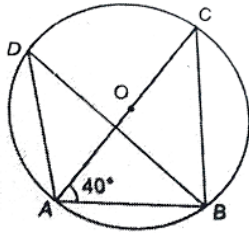
z in the following figure is c) 81° d) none of these

xi) In the following figure measure of angle DCB is i) 80° ii) 100° iii) 50° iv) none of these

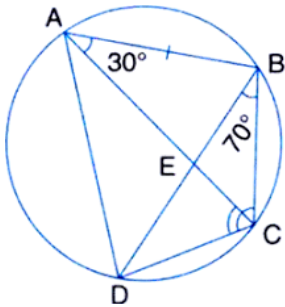


the following figure measure of the angle ADO is a) 50° b) 90° c) 90° d) none of these

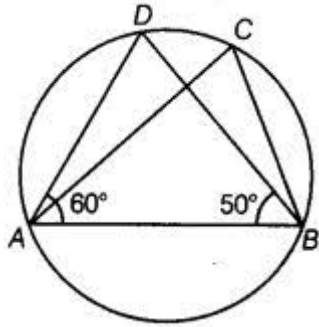
xii) In
b) 40° c)



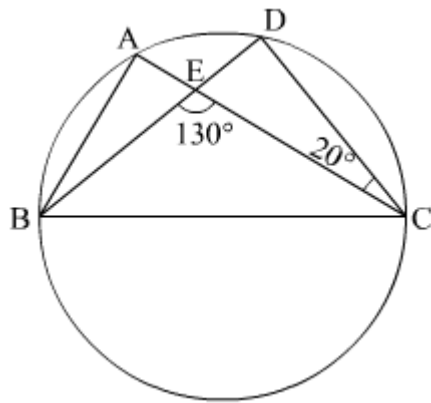
xiii) Measure of the angle BAD in the following figure is a) 90° b) 100° c) 70° d) none of these



xiv) Measure of the angle ACB in the following figure is a) 70° b) 50° c) 60° d) none of these



xv) In the following figure measure of angle BAC is a) 100° b) 130° c) 110° d) none of these



Aparajita Mondal