ST. LAWRENCE HIGH SCHOOL

A Christian Jesuit minority Institution

Subject: Mathematics   **Class: X**   **Date:10 .04.2020**

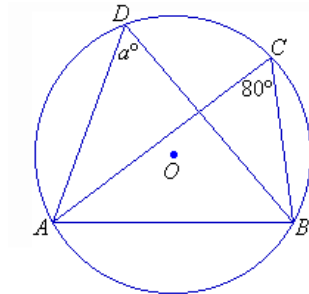**Answer key of Worksheet 4**

Chapter-Theorems On angles in a circle

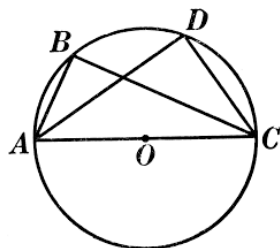**Topic-the theorem- In a circle ,angles in the same segment and on the Same arc are equal**

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1. **Choose the correct alternative**   **1x15=15**
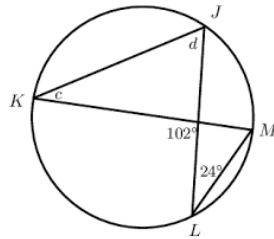
 i)   **The angles in a circle in the same segment and on the same arc are**
         Ans.i) Equal
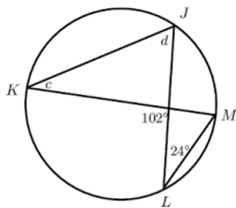
 ii)   **The measure of a° is   ansb) 80°**
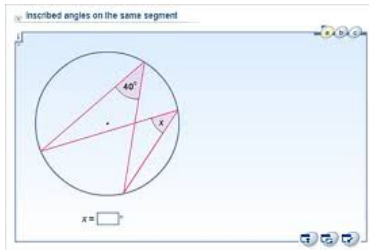

 iii)   **Measure of angle ABC is   ans b) 90°**

iv)   **Measure of c in the following figure is**   <u>Ans c) 24°</u>
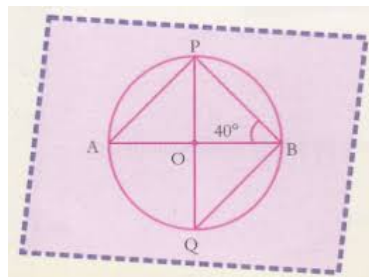

v)Measure of d   **in the following figure is**   <u>Ans a) 78°</u>
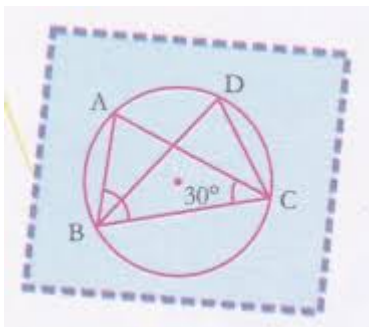
vi)Measure of   **x is**   <u>Ans b)40°</u>

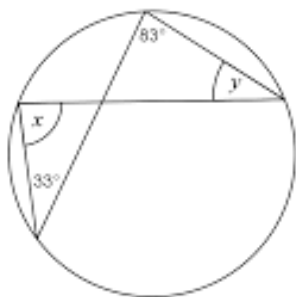**vii)In the following circle with centre o ,measure of angle BQO is**   <u>Ans c) 50°</u>

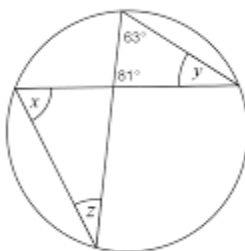**viii)In the following figure ,AC=BC,The measure of BDC is   Ans a) 75°**
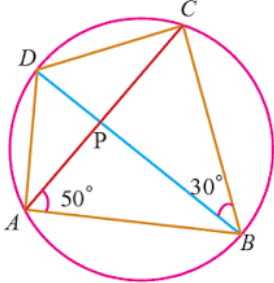

ix)In the following figure sum of the measure of x and y is   Ans b)116°
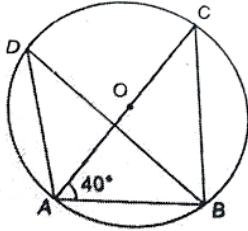

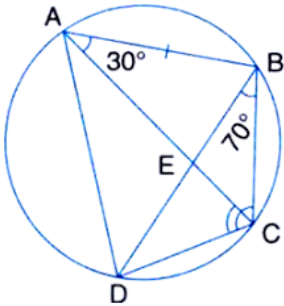**x) Meausre of z in the following figure is Ans   a) 36°**

xi)In the following figure measure of angle DCB is   Ans ii) 100°
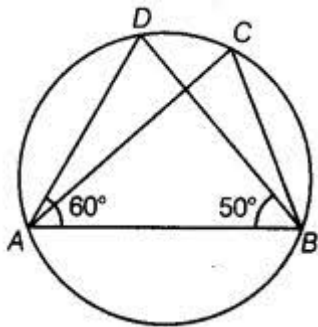

xii) In the following figure measure of the angle ADO is   Ans a) 50°
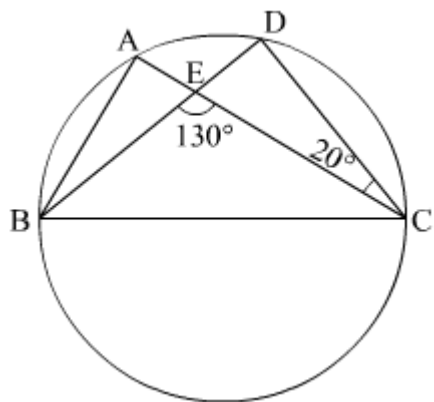

xiii) Measure of the angleBAD in the following figure is   Ans b)100°

xiv)Measure of the angle ACB in the following figure is   Ans a) 70°

xv)In the following figure measure of angle BAC is <u>**Ans c) 110°**</u>

Aparajita Mondal