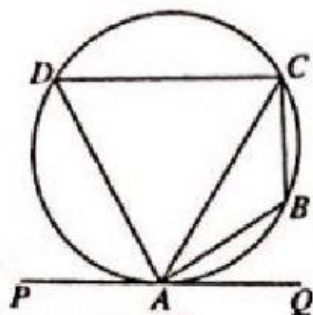


QUIZ : ANGLES AND TANGENTS OF CIRCLE (FORM 3)

NAME :

CLASS :

1. In the diagram, PAQ is a tangent to a circle and ABCD is a cyclic quadrilateral

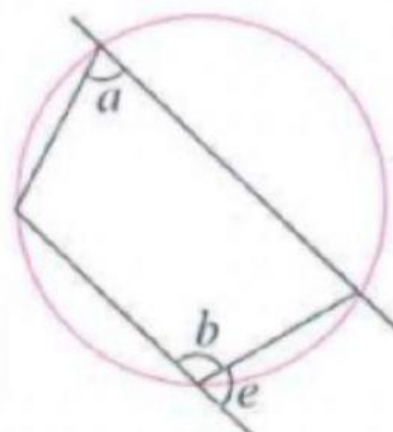
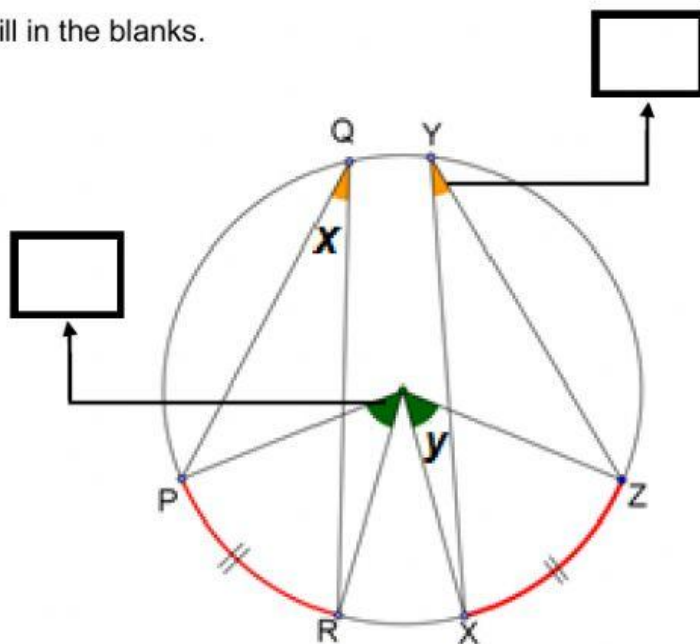


State whether the following statements is **TRUE** or **FALSE**

(i) $\angle BAQ = \angle ACB$

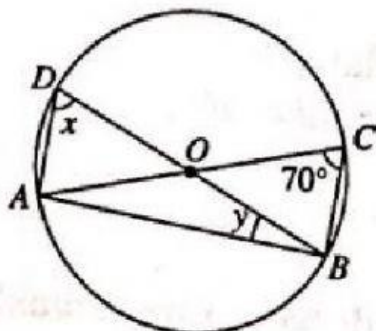
(ii) $\angle ADC + \angle BAC = 180^\circ$

2. Fill in the blanks.



$\angle a = \angle$

3. In the diagram, AC and BD are diameters of the circle.

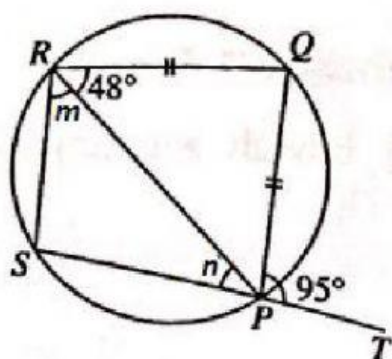


Find the values of x and y .

Answer : (put value only without degree)

$$x^{\circ} = \boxed{} \quad y^{\circ} = \boxed{}$$

4. In the diagram, PQRS is a cyclic quadrilateral and SPT is a straight line.

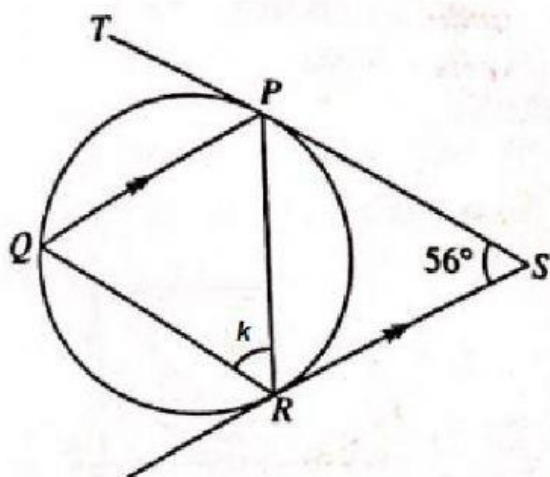


Given $PQ=QR$, find the values of m and n .

Answer : (put value only without degree)

$$m^{\circ} = \boxed{} \quad n^{\circ} = \boxed{}$$

5. In the diagram, RS and TPS are tangents to the circles. RS is parallel to QP.



Find the values of k .

Answer : (put value only without degree)

$$k^{\circ} = \boxed{}$$