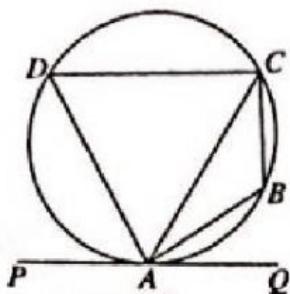


## QUIZ : ANGLES AND TANGENTS OF CIRCLE (FORM 3)

NAME :

CLASS :

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

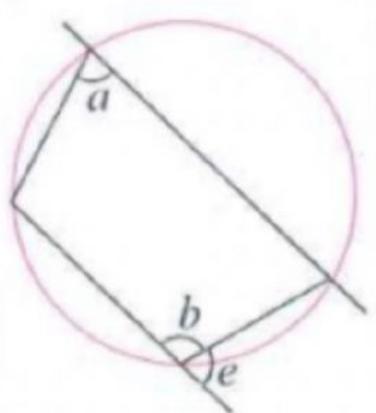
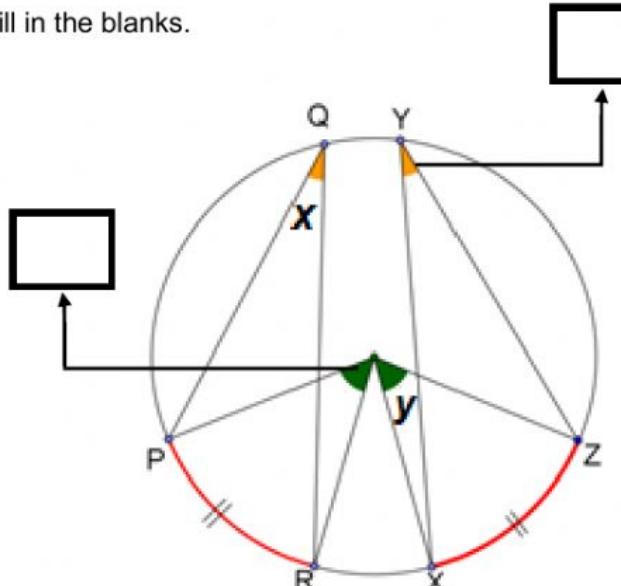


State whether the following statements is **TRUE** or **FALSE**

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

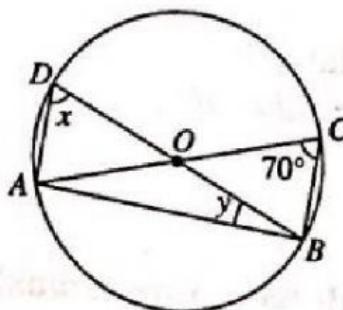
(ii)  $\angle ADC + \angle BAC = 180^\circ$

2. Fill in the blanks.



$\angle a =$    $\angle$

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

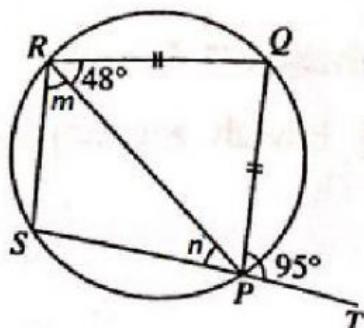


Find the values of  $x$  and  $y$ .

Answer : (put value only without degree)

$$x^\circ = \boxed{\phantom{00}} \quad y^\circ = \boxed{\phantom{00}}$$

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

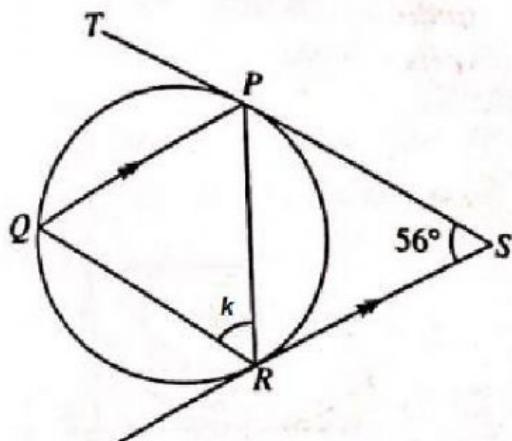


Given  $PQ=QR$ , find the values of  $m$  and  $n$ .

Answer : (put value only without degree)

$$m^\circ = \boxed{\phantom{00}} \quad n^\circ = \boxed{\phantom{00}}$$

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)

$$k^\circ = \boxed{\phantom{00}}$$