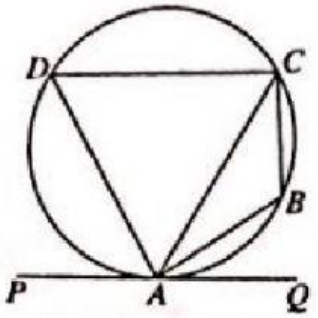
QUIZ : ANGLES AND TANGENTS OF CIRCLE (FORM 3)

NAME :

CLASS :

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

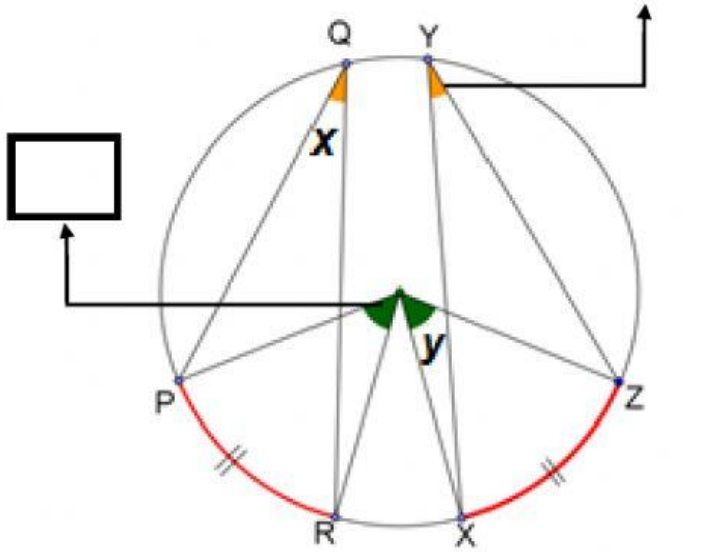


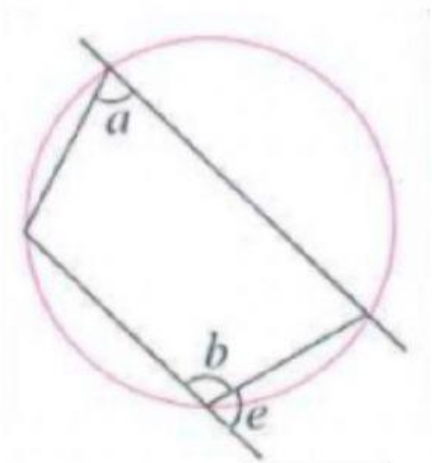
State whether the following statements is **TRUE** or **FALSE**

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

(ii) $\angle ADC + \angle BAC = 180°$

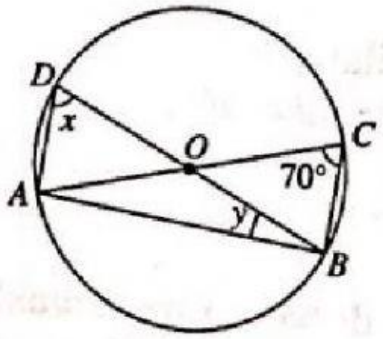
2. Fill in the blanks.





$\angle a = \angle$

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

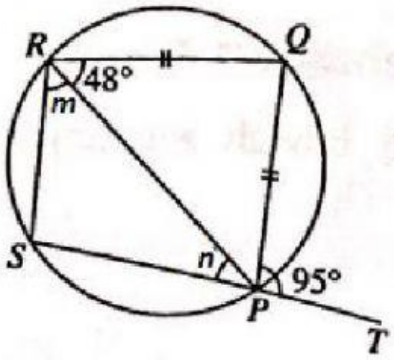


Find the values of *x* and *y*.

Answer : *(put value only without degree)*

$x° =$ ☐ $y° =$ ☐

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

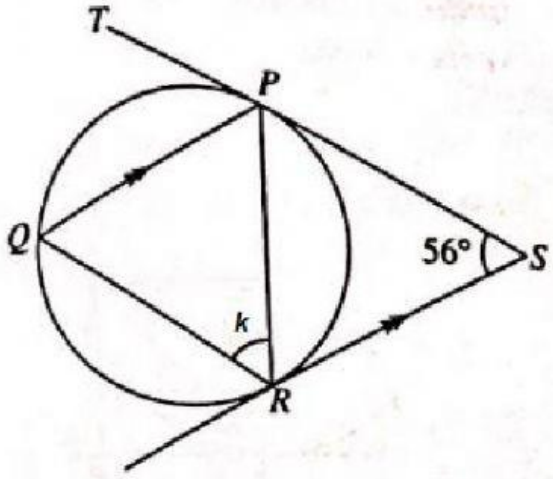


Given PQ=QR, find the values of *m* and *n*.

Answer : *(put value only without degree)*

$m° =$ ☐ $n° =$ ☐

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)*

$k° =$ ☐