Concept_Grade-9_Circles
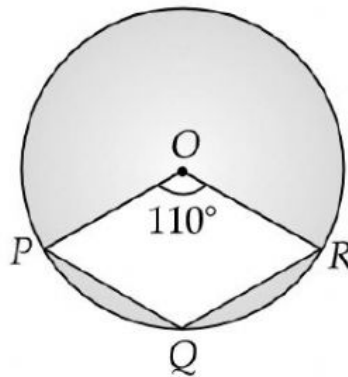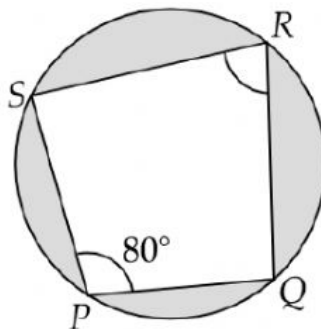
Cyclic Quadrilateral
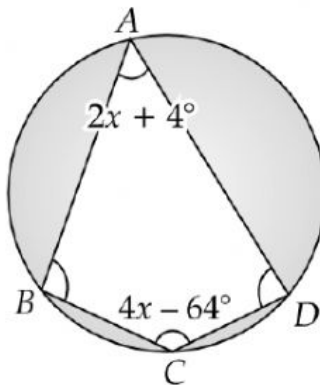
1. In the given figure, if ∠POR is 110°, then find the value of ∠PQR.

2. The sum of the opposite angles of a cyclic quadrilateral is : ....

3. In the given figure, quadrilateral PQRS is cyclic. If ∠P = 80°, then ∠R is equal to ....

4. In the given figure, find the value of x.

5. ABCD is a cyclic quadrilateral in which AC and BD are its diagonals. If ∠DBC = 55° and ∠BAC = 45° ,find ∠BCD.

6. ABCD is a cyclic quadrilateral in which AB ∥ CD. If ∠D= 70°, find all the remaining angles.

7. Prove that a cyclic parallelogram is a rectangle.