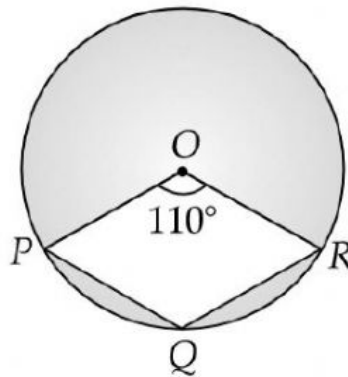


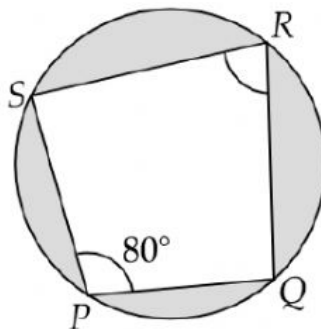
Concept_Grade-9_Circles

Cyclic Quadrilateral

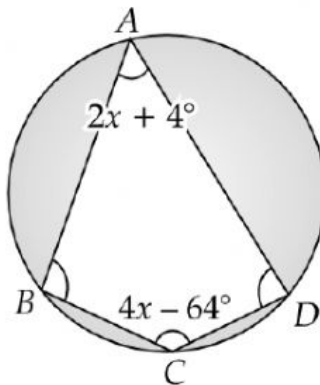
1. In the given figure, if $\angle POR$ is 110° , then find the value of $\angle PQR$.



2. The sum of the opposite angles of a cyclic quadrilateral is :
3. In the given figure, quadrilateral PQRS is cyclic. If $\angle P = 80^\circ$, then $\angle R$ 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 $\angle DBC = 55^\circ$ and $\angle BAC = 45^\circ$, find $\angle BCD$.
6. ABCD is a cyclic quadrilateral in which $AB \parallel CD$. If $\angle D = 70^\circ$, find all the remaining angles.
7. Prove that a cyclic parallelogram is a rectangle.