



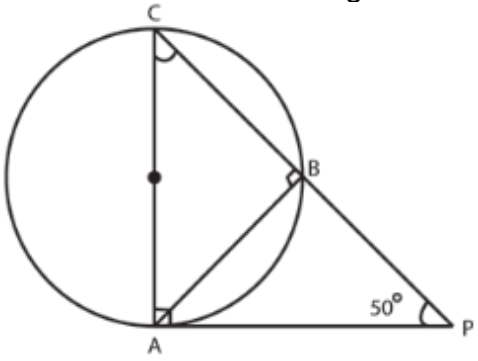
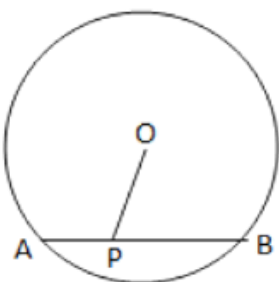
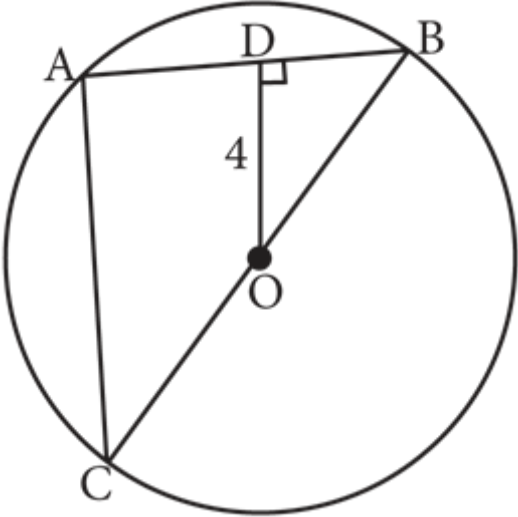
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MATHEMATICS
CH:10-CIRCLES

Name: _____

Date: _____

Class: X Sec: ____

1.	<p>In the figure, AP is a tangent to the circle and $\triangle APB$ is an isosceles triangle. Also $m\angle APB = 50^\circ$. Find the angles of $\triangle ABC$ and $\triangle APB$.</p> 
2.	<p>In the figure, radius of the circle with centre at O is 6 centimeters. And $PA = 4$ cm, $PB = 5$ cm. Find the length of OP.</p> 
3.	<p>In the given figure, O in centre. $OD \perp AB$. Find CA if $OD = 4$ cm</p> 
4.	<p>ABCD is a quadrilateral circumscribing a circle. show that $AB - BC = AD - CD$</p>
5.	<p>TP & TQ are two tangents to a circle with centre at O so that $\angle POQ = 130^\circ$. Find the $\angle OQP$</p>
6.	<p>In the given figure, If $QP = 5$ cm, find the measure of Q</p>



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7.	<p>The circumference of a circle is 44 cm. Find the area of quadrant.</p>
8.	<p>In the given figure, O is centre of circle PA & PB are the tangents. Find $\angle ARB$</p>
9.	<p>In the given figure, PQ & RS are two common chords intersecting at an angle of 90°. Prove that PS = RQ</p>
10.	<p>In the given figure, a circle touches the side BC at P and touches AB & AC produced at Q & R respectively. If AQ = 7 cm, find the perimeter of $\triangle ABC$.</p>