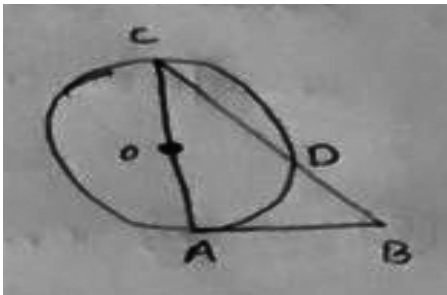


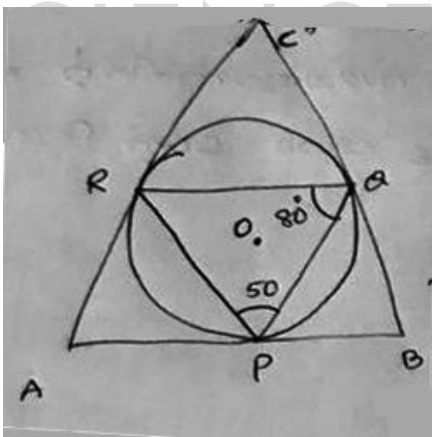


Subject:	MATHEMATICS	Chapter:	TANGENTS		
Class:	X	Batch:	LOT	LOT 2020 (M-7)	Date: 09/05/2020
No. of Questions:		Type:	Descriptive	Mark: 20	Time: 45 mts

1. In the figure O is the centre of the circle and AB is a tangents to the circle. $BD = 3.6$ cm, $CD = 6.4$ cm. then

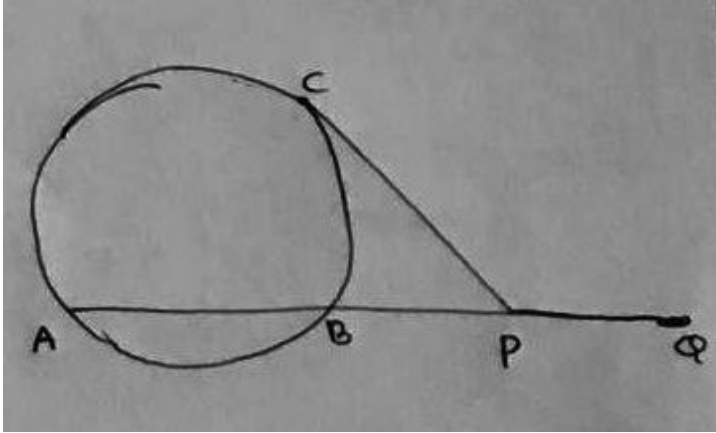


- a) Find the length of AB? (1)
 b) Find the radius of circle? (1)
2. In the figure, in circle of triangle ABC touches the sides of the triangle of P, Q & R. find the angles of triangle ABC? (3)



3. The perpendicular sides of a right angle triangle are 9 cm & 12 cm.
- a) Find perimeter of triangle? (1)
 b) Find area of triangle? (1)
 c) Find the radius of the in triangle? (1)

4. In the figure PC is a tangent to the circle. If $PC = 12$ cm & $PB = 8$ cm & $PQ = 2$ cm. find



a) Length of AP? (1)

b) Length of tangent from Q to C? (2)

5. Draw a circle of radius 3 cm. construct an equilateral triangle such that the sides touching the circle? (4)

6. Draw a rectangle with one side 6 cm and area equal to a square with area 25 cm²? (5)

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