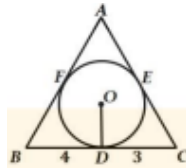
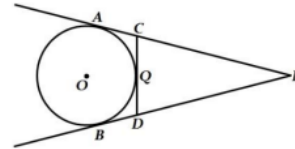
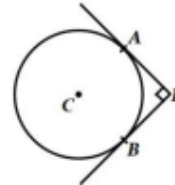


CLASS TEST

X

Coordinate geometry & Circles

1. The perpendicular distance of A (5,12) from the y-axis is 1
 a) 4 units
 b) 5 units
 c) 6 units
 d) 8 units
2. In figure, PA and PB are two tangents drawn from an external point P to a circle with centre C and radius 4 cm. If $PA \perp PB$, then the length of each tangent is: 1
 a) 3 cm
 b) 4 cm
 c) 5 cm
 d) 6 cm
3. In what ratio does the x-axis divide the line segment joining the points $(-4, -6)$ and $(-1, 7)$? Find the coordinates of the point of division. 2
4. In the given figure, PA and PB are tangents to the circle from an external point P . CD is another tangent touching the circle at Q . If $PA = 12$ cm, $QC = QD = 3$ cm, then find $PC + PD$. 2
5. If the co-ordinates of points A and B are $(-2, -2)$ and $(2, -4)$ respectively, find the co-ordinates of P such that $AP = \frac{3}{7} AB$, where P lies on the line segment AB. 3
6. In figure, a triangle ABC is such that the segments BD of contact D are of lengths = 21 cm^2 , then find the 3



drawn to circumscribe a circle of radius 2 cm and DC into which BC is divided by the point 4 cm and 3 cm respectively. If area of $\triangle ABC$ lengths of sides AB and AC .