





- 2) Find the co-ordinates of the points of trisection of the segment joining the points A (2,-2) and B(-7,4).
- 3) In figure seg AB is a diameter of a circle with centre C. Line PQ is a tangent which touches the circle at point T seg AP  $\perp$  line PQ and seg BQ  $\perp$  line PQ prove that seg CP  $\cong$  seg CQ.



- Q. 5 Solve Any ONE from the following question.
  - 1) In fig. Chord  $LM \cong chord LN$

$$\angle L = 35^{\circ}$$
 find i) m(arc MN) ii) (arc LN).

3



2) A (-3, -4), B (-5, 0), C (3, 0) are the vertices of  $\triangle ABC$ , find the coordinates of the circumcenter of  $\triangle ABC$ 



