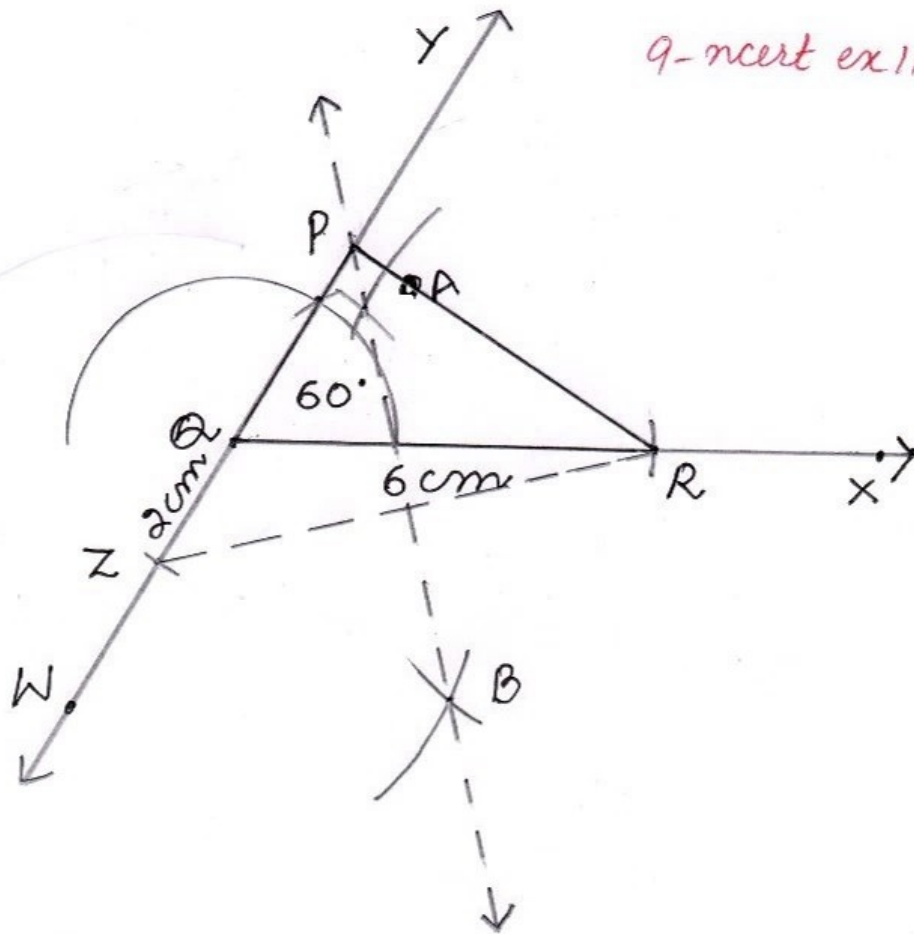


9-ncert ex 11.2 Q3



Steps

1. draw $\angle YOX = 60^\circ$
2. Produce YO to get line YW
3. with centre O and radii 6 cm and 2 cm draw arcs intersecting OX at R and OW at Z
4. draw AB perpendicular bisector of ZR intersecting OY at P
5. Join PR \therefore PQR is required Δ

Proof $PZ = PR$
 $OZ = 2\text{ cm}$
 $PZ - PO = 2\text{ cm}$

$PR - PO = 2\text{ cm}$ ($\because PZ = PR$)