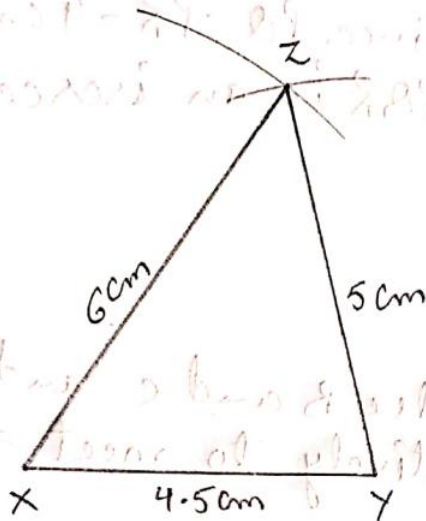


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Ex-10.2

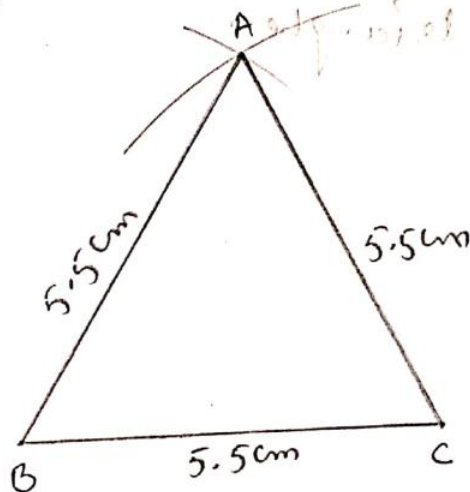
- I
- (1) Draw $XY = 4.5 \text{ cm}$
- (2) Draw an arc with centre Y and radius 5 cm .
- (3) Draw another arc with centre X and radius 6 cm to meet the first arc at Z .



- (4) Join ZY and ZX .
- (5) XYZ is the required triangle.

II $\Rightarrow$

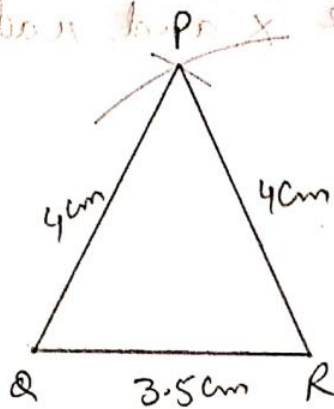
- (1) Draw $BC = 5.5 \text{ cm}$
- (2) Draw two arcs with centres B and C and same radius of 5.5 cm to meet each other at A .



- (3) Join AB and AC
- (4) ABC is the required triangle.

III 1) Draw $QR = 3.5 \text{ cm}$.

2) Draw two arcs with centre Q and R and same radius of 4 cm to meet each other at P.



3) Join PQ and PR.

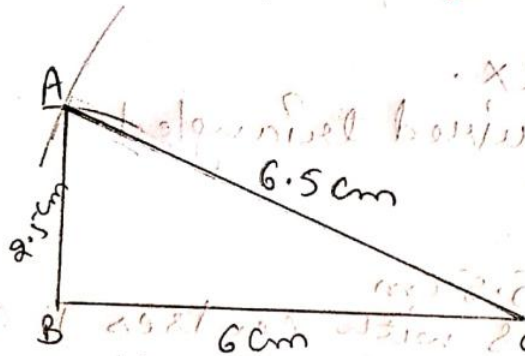
4) PQR is the required triangle.

5) Since $PQ = PR = 4 \text{ cm}$, therefore $\triangle PQR$ is an isosceles triangle.

IV

1) Draw $BC = 6 \text{ cm}$.

2) Draw two arcs with centre B and C and radius 2.5 cm and 6.5 cm respectively to meet each other at A.



3) Join AB and AC.

4) ABC is the required triangle.