Constructions Ex 17.3 Q1

Answer :

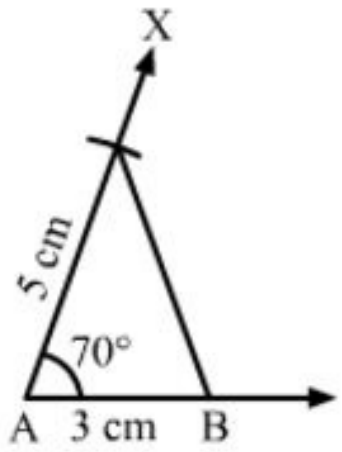
Steps of construction:

Draw a line segment AB of length 3 cm.

Draw $\angle XBA = 70^{\circ}$.

Cut an arc on BX at a distance of 5 cm at C.

Join AC to get the required triangle.



Constructions Ex 17.3 Q2

Answer :

Steps of construction:

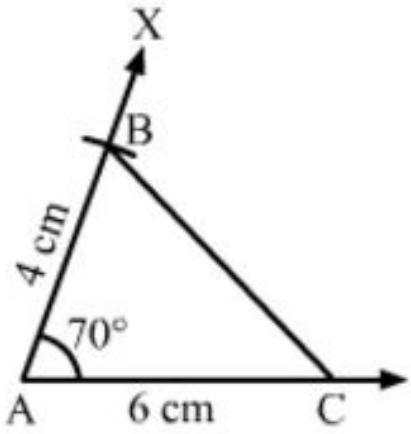
Draw a line segment AC of length 6 cm.

Draw $\angle XAC = 70^\circ$.

Cut an arc on AX at a distance of 4 cm at B.

Join BC to get the desired triangle.

We see that BC = 6 cm.



Constructions Ex 17.3 Q3

Answer :

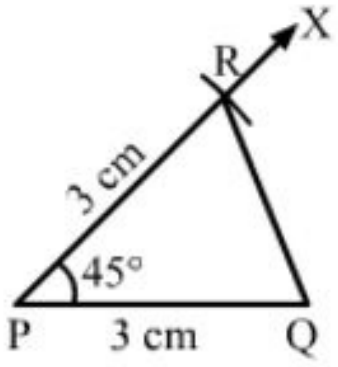
Steps of construction:

Draw a line segment PQ of length 3 cm.

Draw $\angle QPX = 45^\circ$.

Cut an arc on PX at a distance of 3 cm at R.

Join QR to get the required triangle.



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