



Constructions Ex 17.3 Q1

**Answer :**

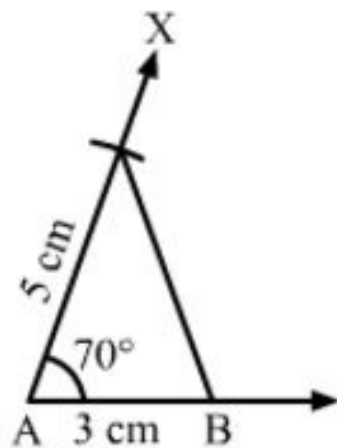
Steps of construction:

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:

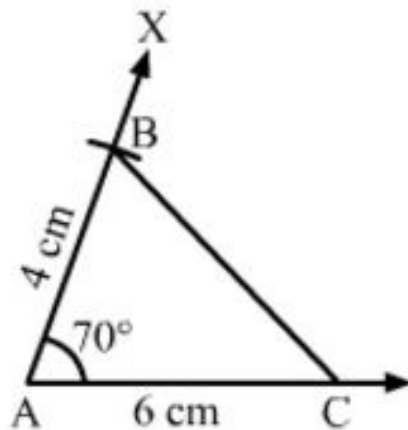
Draw a line segment AC of length 6 cm.

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 :**

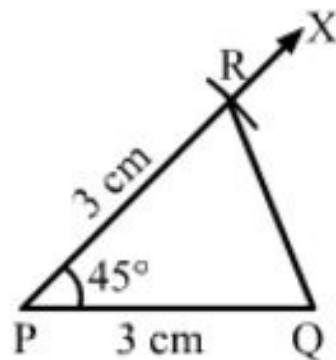
Steps of construction:

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.



\*\*\*\*\* END \*\*\*\*\*