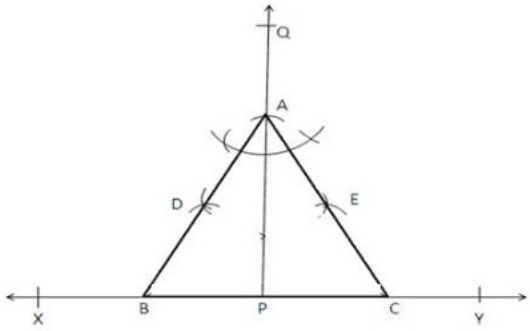
Exercise 12A

Question 5:

(i) Draw a line XY.

(ii) Mark any point P on it.
(iii) From P, draw PQ ⊥ XY.
(iv) From P, set off PA=5.4 cm cutting PQ at A.
(v) Construct $\angle PAB = 30^0$ and $\angle PAC = 30^0$, meeting XY at B and C respectively.

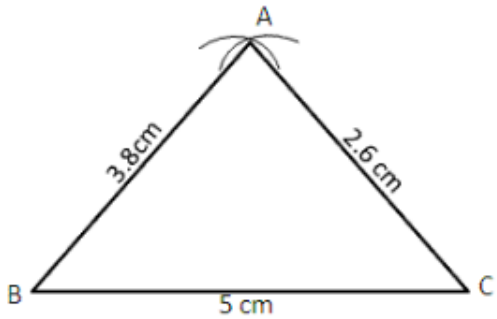
$\therefore$ Δ ABC is required equilateral triangle.



Question 6:

Steps of construction:

(i) Draw a line segment BC = 5 cm.
(ii) With centre B and radius equal to 3.8 cm draw an arc.
(iii) With centre C and radius equal to 2.6 cm draw another arc which cuts the previous drawn arc at A.
(iv) Join AB and AC. $\therefore$ Δ ABC is required equilateral triangle.



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