ASSIGNMENT 3

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Question

Draw a triangle with $a = 6$, $c = 5$ and $B = 60$.

Solution

Given,
$BC = 6cm$
$AB = 5cm$

Steps of construction:

1.Draw the line segment BC (here we take the longest side).

2.Using protractor, at B, draw a line BX making an angle of 60° with BC.

3.With B as centre, draw an arc of radius 5 cm to cut the line (BX) at A.

4.Join AC, This is the required triangle.

Now, using latex tikz below is the required triangle: