

ASSIGNMENT 3

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Question

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

Solution

Given,

$$BC = 6\text{cm}$$

$$AB = 5\text{cm}$$

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:

