ASSIGNMENT-4

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1   Question:-

In $\triangle$ABC, a=6 ,$\angle$B $= 60°$ and b-c=2. sketch the triangle.

2   Solution:-

Given, a=6 , $\angle$B $= 60°$ and b-c=2.

2.1   Steps of Construction:-

- Draw base BC of length a=6

- Now, lets draw $\angle$B=60°
  Let the ray be BX

- From point B as centre, cut an arc on ray BX.(opposite of BC).Let the arc intersect BX at D.
  (Since b-c=2,(c-b) is negative. So, BD will be below line BC.)

- Join CD.

- Now, we will draw perpendicular bisector of CD.

- Mark point A where perpendicular bisector intersects CD.

- Join AC.

2.1.1   Figure:-