3-3.3-13

EE24BTECH11064 - Harshil Rathan

Question:
Draw a triangle ABC in which $BC = 6cm$, and $\angle B = 45°$, $\angle C = 60°$.
Solution:
Find $\angle A$

Angles	Given
BC	7
$\angle B$	45°
$\angle C$	60°

TABLE 0: Input Parameters

$$\angle A + \angle B + \angle C = 180° \tag{0.1}$$

$$\angle A = 75° \tag{0.2}$$

Steps for Construction :
1.Draw the line segment BC=7cm
2.Construct $\angle B = 45°$ and mark a Point D.
3.Draw Ray BD.
4.Construct $\angle C = 60°$ and mark a point O.
5.Draw Ray CO.
6.Mark the point of intersection of BD and CO as A.

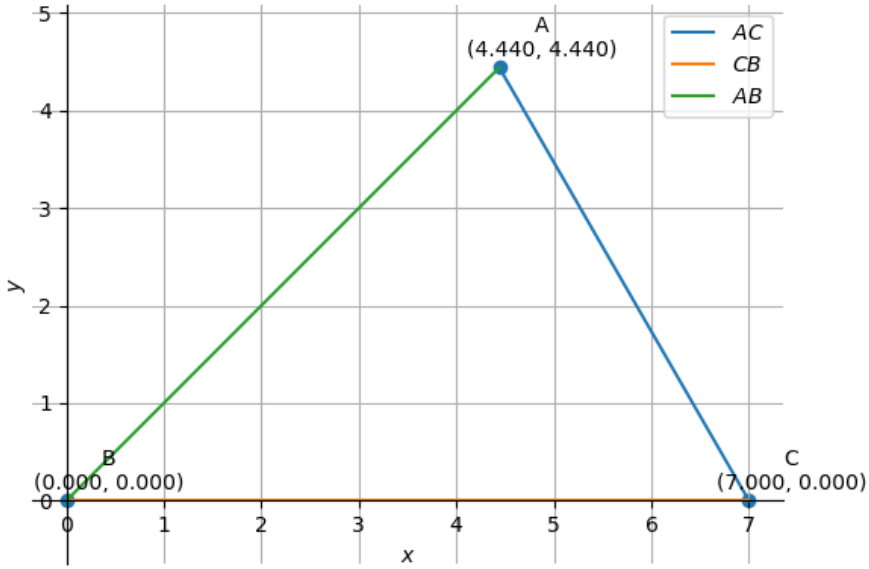

Fig. 0.1