

3.2.12

AI25BTECH11001 - ABHISEK MOHAPATRA

Question: Draw an isosceles triangle ABC in which $AB = AC = 6$ cm and $BC = 6$ cm.

Solution: Given, $a = b = c = 6$ cm

And, thus the angles are all 60°

so, Let the vertices be $A = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$, $B = \begin{pmatrix} 6 \\ 0 \end{pmatrix}$, and $C = \begin{pmatrix} 6\cos(60^\circ) \\ 6\sin(60^\circ) \end{pmatrix}$

Graph:

