ASSIGNMENT 1

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Download all python codes from

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1 QUESTION NUMBER:- 2.26

Construct an isosceles right angeled $\triangle ABC$ right angled at C such that $AC = 6$.

2 SOLUTION

As $\triangle ABC$ is an isosceles triangle, therefore, the vertices are:

$$\mathbf{C} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}, \mathbf{A} = \begin{pmatrix} 6 \\ 0 \end{pmatrix}, \mathbf{B} = \begin{pmatrix} 0 \\ 6 \end{pmatrix} \qquad (2.0.1)$$

Now, Lines AB , BC and CA Can be plotted using these coordinates to form an isosceles $\triangle ABC$. The Plot of the right angle $\triangle ABC$ is:
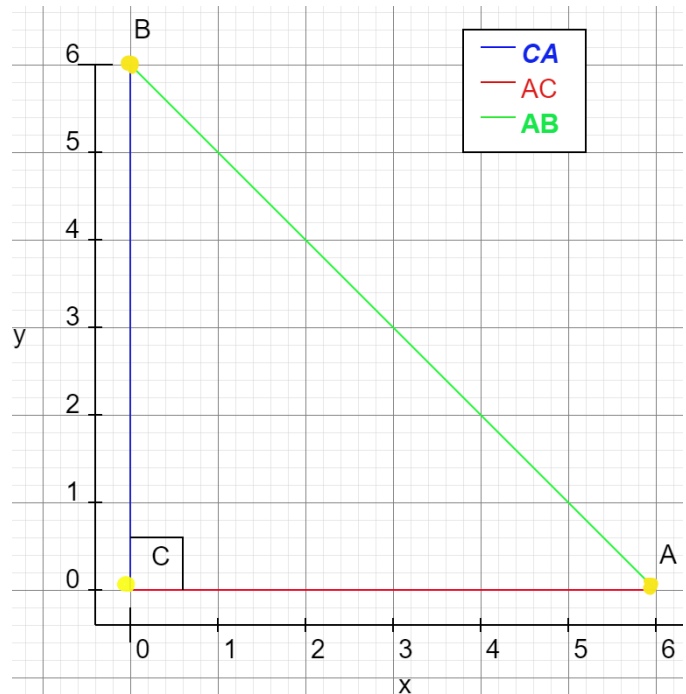

Fig. 2.1: Isosceles Right Angle $\triangle ABC$