ASSIGNMENT-5

SENANI SADHU

January 18, 2021

1 Question:-

Construct right angled $\triangle$ whose hypotenuse is 6 and one of the legs is 4.

2 Solution:-

Given,
Hypotenuse=6 , Side=4
Let the triangle be $\triangle$ABC with $\angle$B=90° AC=6,BC=4
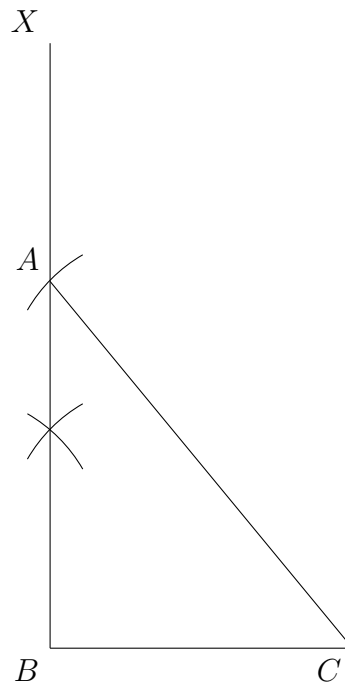
2.1 Steps of Construction:-

- Draw a line segement Bc of length a=4

- Now, we draw 90° from point B.

- Takine C as center,6cm as radius , we draw an arc.
  Let the point where arc intersects the ray be point A.

- Join AC.

$\triangle$ABC is required triangle.

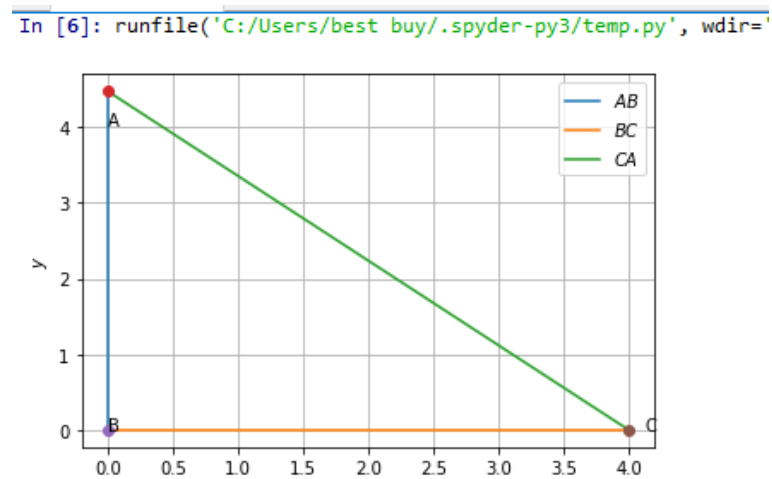## 2.2 Figure:-

2.2.1 Using Tikz-Latex:

2.2.2 Output of Python code:

Figure 1: Fig generated using python