Assignment 1

P.Kalpana

Download all python codes from

https://github.com/ponnaboinakalpana12/ASSIGNMNT/assignment.py

and latex-tikz codes from

https://github.com/ponnaboinakalpana12/ASSIGNMNT/main.tex

1 Question No.2.15

Construct $\triangle DEF$ such that DE= 5,DF=3 and $\angle D$ = 90°

2 SOLUTION:

let the vertices of $\triangle DEF$ and be

$$\mathbf{E} = \begin{pmatrix} 0 \\ 5 \end{pmatrix}, \mathbf{D} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}, \mathbf{F} = \begin{pmatrix} 3 \\ 0 \end{pmatrix} \tag{2.0.1}$$

Now, $\triangle DEF$ can be plotted using vertices DE ,DF and EF .
Plot the $\triangle DEF$:

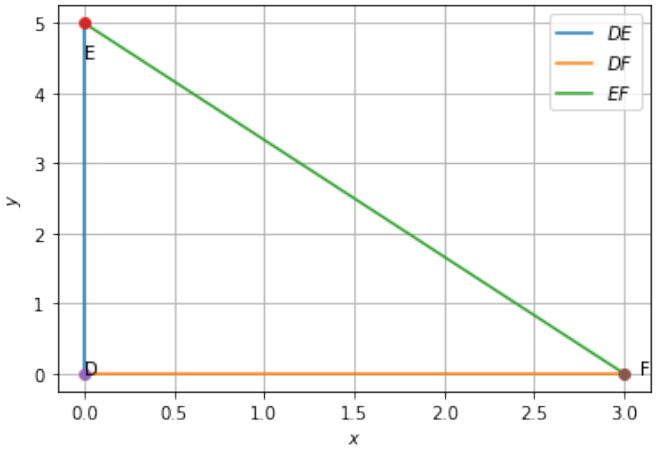

Fig. 2.1: $\triangle DEF$