## Assignment 1

## N.Manga

Download all python codes from

https://github.com/N.manga/ASSIGNMNT/ Assignment1.py

and latex-tikz codes from

https://github.com/N.manga/ASSIGNMNT/main.tex

## 1 Question No.2.14

item Construct  $\triangle PQR$  such that PQ=3,QR=5.5 and  $\angle PQR=60^{\circ}$ 

## 2 SOLUTION:

let the vertices of  $\triangle PQR$  and be

$$\mathbf{P} = \begin{pmatrix} 0 \\ 3 \end{pmatrix}, \mathbf{Q} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}, \mathbf{R} = \begin{pmatrix} 5.5 \\ 0 \end{pmatrix}$$
 (2.0.1)

Now,  $\triangle PQR$  can be plotted using vertices PQ , QR and RP .

Plot the  $\triangle PQR$ :

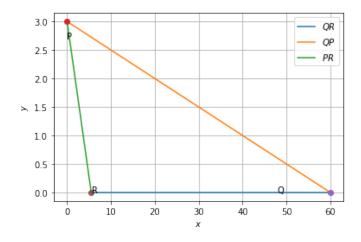


Fig. 2.1: △*PQR*