

4-4.2-5

EE24BTECH11029- JANAGANI SHRETHAN REDDY

Question: Find the direction and normal vectors of the line $2x = -5y$.

Solution:

direction vector= m

normal vector= n

$$\frac{x}{-5} = \frac{y}{2} \quad (1)$$

$$m = \begin{pmatrix} -5 \\ 2 \end{pmatrix} \quad (2)$$

$$n = \begin{pmatrix} 2 \\ 5 \end{pmatrix} \quad (3)$$

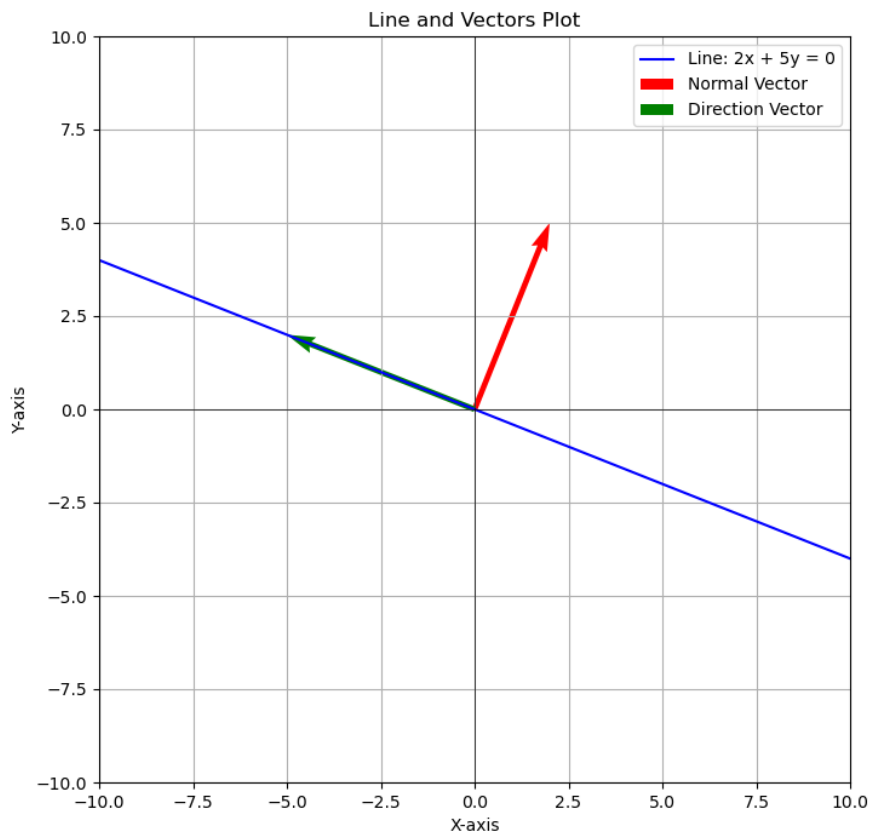


Fig. 0: plot of m and n