

# Assignment-2(EE5600)

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**Abstract—This assignment deals with basic linear form.**

$$\Rightarrow k = 7 \quad (2.0.3)$$

Download tex file from

<https://github.com/satyam463/EE5600Ass1/blob/main/Assignment2.tex>

Therefore, line equation becomes  $(2 \ 3)\mathbf{x} = 7$ .

## 1 PROBLEM STATEMENT

### 1.1 Linearform, Exercise 2, Question No 2

Find the value of k, if  $\begin{pmatrix} 2 \\ 1 \end{pmatrix}$  is solution of the equation

$$(2 \ 3)\mathbf{x} = k \quad (1.1.1)$$

## 2 SOLUTION

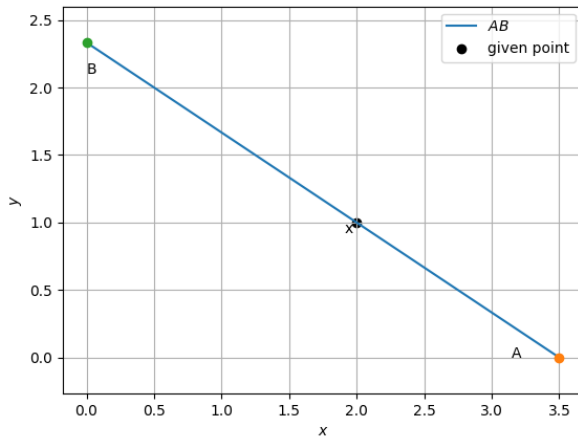


Fig. 0: Line equation  $(2 \ 3)\mathbf{x} = 7$

Given:

$$\mathbf{x} = \begin{pmatrix} 2 \\ 1 \end{pmatrix} \quad (2.0.1)$$

substitute (2.0.1) in the equation

$$(2 \ 3)\begin{pmatrix} 2 \\ 1 \end{pmatrix} = k \quad (2.0.2)$$