

Assignment No.4

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Download latex-tikz codes from

<https://github.com/Panisha707/ASSIGNMENT004/blob/main/main.tex>

Download python codes from

<https://github.com/Panisha707/ASSIGNMENT004/blob/main/untitled27.py>

Question taken from

linear_form, exercises 2.3,i,j

1 QUESTION No 1

Draw the graphs of the following equations

$$A) (1 \ 1) \mathbf{x} = 0 \quad (1.0.1)$$

$$B) (1 \ -1) \mathbf{x} = -2 \quad (1.0.2)$$

2 SOLUTION

$$A) (1 \ 1) \mathbf{x} = 0$$

$$\mathbf{x} + \mathbf{x} = 0 \quad (2.0.1)$$

$$\mathbf{x} = -\mathbf{x} \quad (2.0.2)$$

$$B) (1 \ -1) \mathbf{x} = -2$$

$$\mathbf{x} - \mathbf{x} = -2 \quad (2.0.3)$$

$$\mathbf{x} + 2 = \mathbf{x} \quad (2.0.4)$$

Graphs of the equations (A) and (B) are constructed by using python as

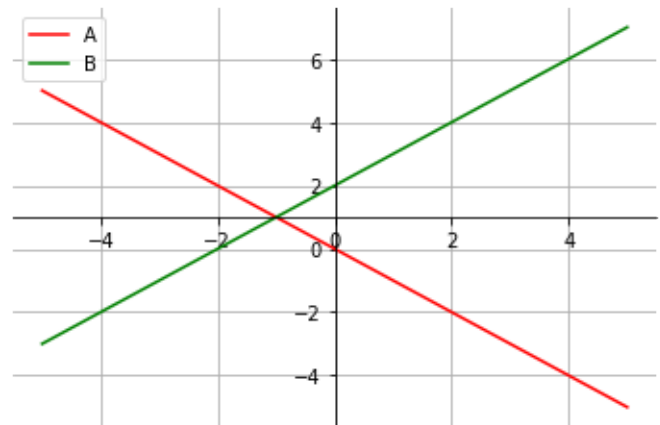


Fig. 2.1: Graphs of Equations (a) and (b)