

# Assignment No.1

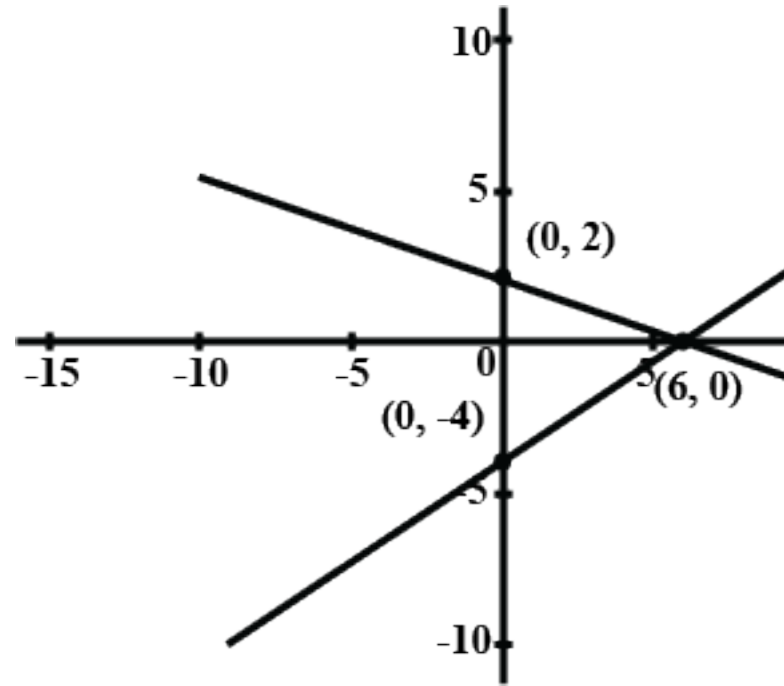
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Download all python codes from

<https://github.com/sravani/Matrix-Theory/tree/main/Assignment1/Codes>

and latex-tikz codes from

<https://github.com/sravani/Matrix-Theory/tree/main/Assignment1>



## 1 QUESTION No.23

Represent the following pair of equation graphically :  $x + 3y = 6$  and  $2x - 3y = 12$  and write the coordinates of points where the line intersects y - axis .

## 2 SOLUTION

$$x + 3y = 6$$

$$2x - 3y = 12$$

plotting graph :  $x + 3y = 6$

$$x \quad 0 \quad 6 \quad 3$$

$$y \quad 2 \quad 0 \quad -1$$

plotting graph :

$$2x - 3y = 12$$

$$x \quad 0 \quad 6 \quad 9$$

$$y \quad -4 \quad 0 \quad 2$$

y axis coordinates are ( 0, 2 ) and ( 0 , -4 ).