

# Assignment No.6

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Download all python codes from

svn co <https://github.com/Ganeshyadav712/Assignment-6.git>

Question taken from

[https://raw.githubusercontent.com/gadepall/ncert/main/linalg/inequalities/gvv\\_ncert\\_ineq.pdf](https://raw.githubusercontent.com/gadepall/ncert/main/linalg/inequalities/gvv_ncert_ineq.pdf)  
question 2.8

## 1 QUESTION No 1

Solve  $4x+3 < 6x+7$

## 2 SOLUTION

From the given information,

$$4x + 3 < 6x + 7 \quad (2.0.1)$$

$$4x - 6x < 7 - 3 \quad (2.0.2)$$

$$-2x < 4 \quad (2.0.3)$$

$$x < -2 \quad (2.0.4)$$

$$x \in (-2 \infty) \quad (2.0.5)$$

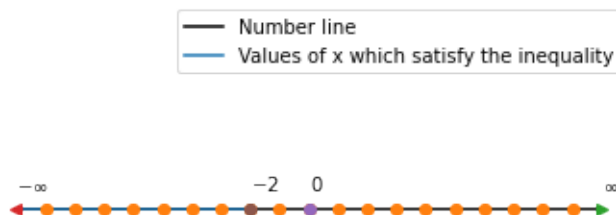


Fig. 2.1: Number line inequality graph