Assignment No.5

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Download all python codes from

Question taken from

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,

$$4x + 3 < 6x + 7 \tag{2.0.1}$$
$$4x - 6x < 7 - 3 \tag{2.0.2}$$
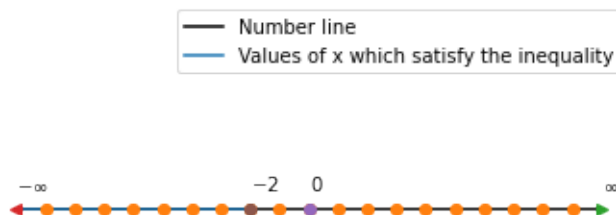$$-2x < 4 \tag{2.0.3}$$
$$x < -2 \tag{2.0.4}$$
$$x \in (-2 \; \infty) \tag{2.0.5}$$

Fig. 2.1: Number line inequality graph