

# Assignment No.6

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Download latex-tikz codes from

<https://github.com/Sravani706/Assignment6/blob/main/main.tex>

Download python codes from

<https://github.com/Sravani706/Assignment6/blob/main/untitled34.py>

Question taken from

Inequalities , exercises 2

## 1 QUESTION No 2.6

Solve  $-5 \leq \frac{5-3x}{2} \leq 8$

## 2 SOLUTION

From the given information,

$$-5 \leq \frac{5-3x}{2} \leq 8 \quad (2.0.1)$$

$$-10 \leq 5-3x \leq 16 \quad (2.0.2)$$

$$-15 \leq -3x \leq 11 \quad (2.0.3)$$

$$5 \leq x \leq \frac{-11}{3} \quad (2.0.4)$$

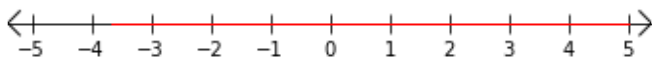


Fig. 2.1: Number line inequality graph