Assignment No.6

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Inequalities , exercises 2

1 QUESTION No 2.6

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

2 SOLUTION

From the given information,

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

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

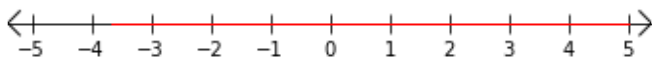$$-15 \leq 3x \leq 11 \qquad (2.0.3)$$

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

Fig. 2.1: Number line inequality graph