

Linear Programming - Class XII

Related Questions with Solutions

Questions

Question: 01

If $11 - 5x > -4$ and $4x + 13 \leq -11$

- A. $(3, 6)$
- B. $(-\infty, 6)$
- C. $(-\infty, 3)$
- D. $(-\infty, -6]$

Solutions

Solution: 01

$$\begin{aligned} 11 - 5x > -4 &\Rightarrow -5x > -15 \Rightarrow x < 3 \dots\dots\dots [i] \\ 4x + 13 \leq -11 &\Rightarrow 4x \leq -24 \Rightarrow x \leq -6 \dots\dots\dots [ii] \\ [i], [ii] &\Rightarrow x \leq -6 \\ \therefore x &\in (-\infty, -6] \end{aligned}$$

Correct Options

Answer:01

Correct Options: D