Related Questions with Solutions

Questions

Quetion: 01

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

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

Solutions

Solution: 01

$11 - 5x > -4 \Rightarrow -5x > -15 \Rightarrow x < 3$ ....[i]
$4x + 13 \leq -11 \Rightarrow 4x \leq -24 \Rightarrow x \leq -6$ ....[ii]
[i], [ii] $\Rightarrow x \leq -6$
$\therefore x \in (-\infty, -6]$

Correct Options

Answer:01

Correct Options: D