Related Questions with Solutions

Questions

Quetion: 01

$If \quad 5(2x - 7) - 3(2x + 3) \leq 0 \quad and \quad 2x + 19 \leq 6x + 47$

A. $(11, \infty)$

B. $[-7, 11]$

C. $(-\infty, 7)$

D. $[7, 11)$

Solutions

Solution: 01

$5(2x - 7) - 3(2x + 3) \leq 0 \Rightarrow 4x \leq 44$

$\Rightarrow x \leq 11$ ....[i]

$2x + 19 \leq 6x + 47 \Rightarrow -4x \leq 28 \Rightarrow x \geq -7$ ....[ii]

[i], [ii] $\Rightarrow x \in [-7, 11]$

Correct Options

Answer:01

Correct Options: B