* __Algorithm__ to find the __Solution set__ $\Rightarrow$

STEP 1 $\Rightarrow$ write the associated equation $ax+by=c$ for the given inequation.

STEP 2 $\Rightarrow$ put $y=0 \Rightarrow x=\dfrac{c}{a}$; put $x=0 \Rightarrow y=\dfrac{c}{b}$

STEP 3 $\Rightarrow$ Join point $\left(\dfrac{c}{a},0\right)$ & $\left(0,\dfrac{c}{b}\right)$ to obtain the graph of line from the given inequation.

$----$ line for $(<$ or $>)$, $---$ line for $(\geqslant$ or $\leqslant)$

STEP 4 $\Rightarrow$ shading of solution region by origin test or arbitrary point test.

STEP 5 $\Rightarrow$ shaded region $\Rightarrow$ solution region