Case 1   both are positive

$x - 3 > 0$ and $x + 1 > 0$

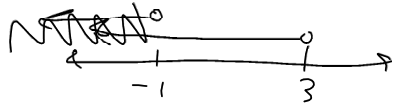$x > 3$ $x > -1$
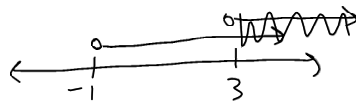
$(3, \infty)$

case 2   both are negative

$x - 3 < 0$ and $x + 1 < 0$

$x < 3$ $x < -1$

$(-\infty, -1)$

sol'n $(-\infty, -1) \cup (3, \infty)$