Compound Inequalities

∗ And = towards each other 5<x<7

∗ Or = away from each other X<4 or X>9

<u>Solve , check and graph each</u>

Ex1) $1 < x < 5$

Ex2) $x < 1 \; or \; x > 5$

Ex3) $2 < x + 5 \leq 9$

Ex4) $2x + 3 < 9 \; or \; 3x - 6 \geq 12$

Ex5) $-5 \leq -x - 3 \leq 2$