

## Algebra One – CP2

### 7-4 “And” inequalities homework problems

Solve, graph and check. “And” statements must be written with less than symbols and have one yes and one no check. Label checks and show every step using the order of operations to simplify each side.

1)  $-2 < x + 1 < 3$

2)  $-2 < x - 2 \leq 1$

3)  $-5 < \frac{1}{2}x + 4 \leq 1$

4)  $-6 \leq 3 + x < 4$

5)  $-2 \leq 2x + 4 < 8$

6)  $-2 < 2x - 1 \leq 5$

7)  $-5 \leq 3x + 1 < 4$

8)  $-13 < 4x + 7 \leq -1$