

Final Details of Interval Notation

Symbols used are:

- \cup "or"; for when solutions go two separate ways / don't overlap

- \cap "and"; for when solutions overlap

ex

$$3 \leq x < -7$$

$$3 \leq x \quad x < -7$$

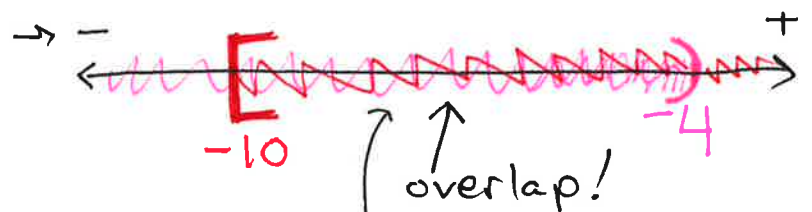


→ $3 \leq x \cup x < -7$
 -or-
 Super fancy Interval Notation meaning our solution is $3 \leq x$ OR $x < -7$.

ex

$$-4 > m \geq -10$$

$$-4 > m \quad m \geq -10$$



→ $-4 > m \cap m \geq -10$
 -and-
 Our solution is where there's overlap: where $-4 > m$ and where $m \geq -10$.