How do I solve a compound inequality?

There are two types of compound inequalities, the AND problems and the OR problems.

A compound inequality is basically two inequalities that are joined together.

The AND problems

Compound inequalities that contain AND are true only if both statements are true in the solution.

For example: A typical solution to an AND problem looks like this...

The two statements made by this solution are:

1. x > -3Is it possible to find a number, x, that is greater2. $x \le 6$ than -3 AND less than or equal to 6?



So when you graph an AND problem, they should always connect because your solution should be between the two end values.

