Graph and solve a compound inequality with

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OR

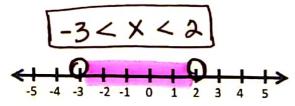
Write and Graph Compound Inequalities with AND

Example 1:

together

All real numbers that are greater than -3 and less than 2

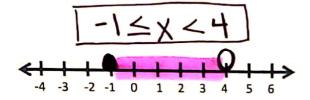
x > -3 and x < 2



You Try:

All real numbers that are greater than or equal to -1

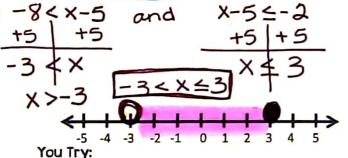
XZ-1 and XK4



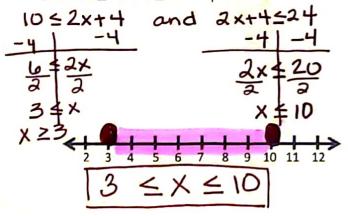
Solve a Compound inequality with AND

Example 3:

Solve $-8 < x - 5 \le -2$ Graph the solution.



Solve $10 \le 2x + 4 \le 24$. Graph the solution.



Write and Graph Compound Inequalities with OR NO

Example 2:

All real numbers that are less than of greater than or equal to 5 X < 0 OR X ≥ 5



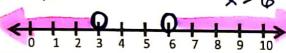
You Try:

All real numbers that are less than -2 or greater than or equal to 2



Solve a Compound inequality with **OR**

Example 4:



You Try:

Solve $4x + 1 \le -3$ or 5x - 3 > 17. Graph the solution.

