$\qquad$ Date $\qquad$
1.6 -Compound Inequalities

Alg 2 Trig G Notes
Solving and graphing compound inequalities
To solve an "AND" compound inequality:


To solve an "OR" compound inequality:
strep $:$ Solve erich
inequality
strep Graph earth
incluaris


PRACTICE:

1. $11 \leq 2 x+5<17$

2. $x+5<1$ or $-2 x \leq-6$

3. $-14<3 x-2 \leq 25$

$$
\begin{array}{rr}
-14<3 x-2 & 3 x-2 \leq 25 \\
-12<3 x & 3 x \leq 27 \\
-4<x & x \leqslant 9 \\
x>-4 & x
\end{array}
$$


4. $x-7>-2$ or $-3 x \geq-6$


