

Review: Solving Compound Inequalities

Solve each inequality. Graph the solution.

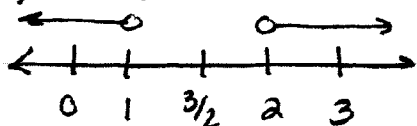
1) $x+1 > 3$ OR $x+7 < 8$ 2) $-6 \leq x+4 < 6$

3) $-6x \leq -12$ OR $-\frac{1}{2}x > \frac{1}{4}$ 4) $-10 \leq 2x-1 \leq 13$

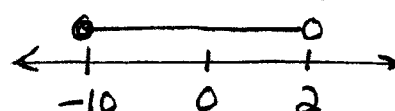
5) $2x-1 < 1$ OR $3-5x \leq -7$ 6) $-8 < 4 + \frac{1}{2}x < -6$

Answers:

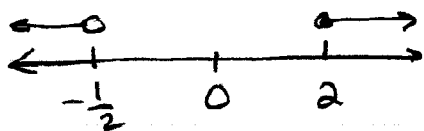
1) $x > 2$ OR $x < 1$



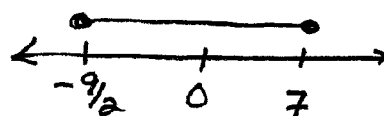
2) $-10 \leq x < 2$



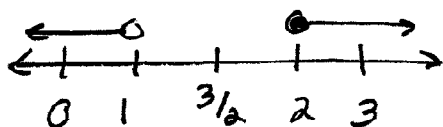
3) $x \geq 2$ OR $x < -\frac{1}{2}$



4) $-\frac{9}{2} \leq x \leq 7$



5) $x < 1$ OR $x \geq 2$



6) $-24 < x < -20$

