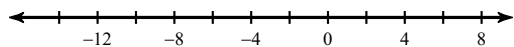


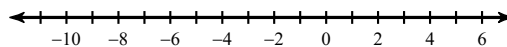
## 4.2 HW

Solve and graph the following compound inequalities. Be sure to plot your points and shade carefully and double check using the and/or trick!

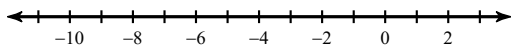
1)  $k + 10 > 14$  or  $k + 5 \leq -5$



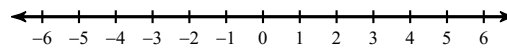
2)  $x + 8 > -1$  and  $x - 2 \leq 2$



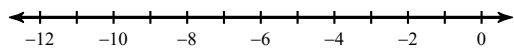
3)  $\frac{a}{8} < 0$  and  $a - 4 > -13$



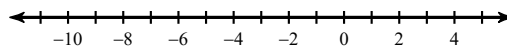
4)  $\frac{n}{3} \geq 1$  or  $8n < 8$



5)  $-2 + 8b \geq -42$  or  $5b + 1 < -39$

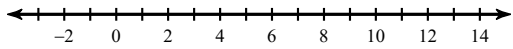


6)  $6a - 2 \leq 16$  and  $3 + 9a > -69$

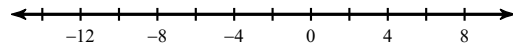


Solve each compound inequality and graph its solution.

7)  $10x + 1 > -9 + 5x$  and  $8x - 3 \leq 7x + 8$

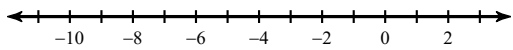


8)  $8 + 9n \leq 8n - 1$  or  $8n + 1 > 6 + 7n$

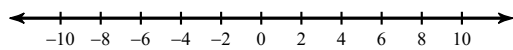


Solve and graph these JOINED COMPOUND INEQUALITIES!

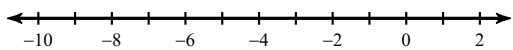
9)  $-2 \leq k + 6 \leq 6$



10)  $-15 < n - 7 \leq 1$



11)  $-9n - 7 < -7n + 9 \leq -9n + 9$



12)  $8m - 5 \leq 6 - 3m < 8m + 6$

