

SM2-2 Inclass (or HW) #1-8

Date _____ Period _____

Solve each equation.

1) $84 = -7(4 + 4x)$

2) $100 = 4(3r + 1) + 4r$

3) $|n + 8| = 18$

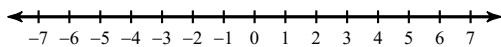
4) $|v - 9| = 18$

5) $|3 + k| = 7$

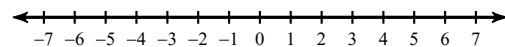
6) $|-3 + a| = 9$

Draw a graph for each inequality.

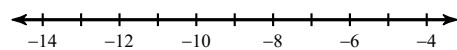
7) $k \geq -5$



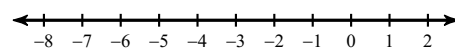
8) $k < 4$

**Solve each inequality and graph its solution.**

9) $-2n + 4n \leq -12$

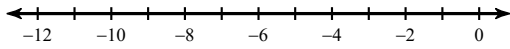


10) $0 < -8v - 3v$

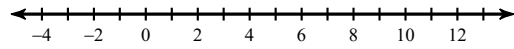


Solve each compound inequality and graph its solution.

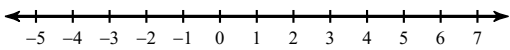
11) $-7v \leq 35$ or $7v \leq -56$



12) $x - 6 < -6$ or $x + 7 \geq 17$



13) $8 \geq x + 2 \geq -1$



14) $x - 1 \leq -2$ and $x + 10 \geq 6$

