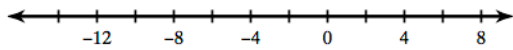


HW 4.3

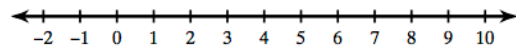
Date _____ Algebra _____

Solve and graph the following compound inequalities.

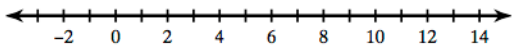
1) $k + 10 > 14$ or $k + 5 \leq -5$



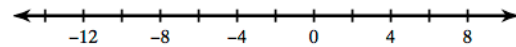
2) $7 - 7x < 14$ and $1 + 2x \leq 9$



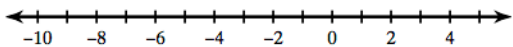
3) $10x + 1 > -9 + 5x$ and $8x - 3 \leq 7x + 8$



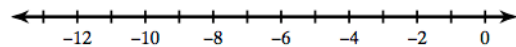
4) $8 + 9n \leq 8n - 1$ or $8n + 1 > 6 + 7n$



5) $-47 < 6k + 7 < 19$



6) $-74 < 8n + 6 \leq -2$



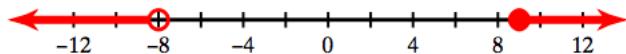
Define your variable, write an inequality that models the situation, and graph.

7) Your paper for iAnalyze must be at least 500 words, but no more than 750 words.

8) Children and senior citizens receive a discount on tickets to the Metropolitan Museum of Art. To receive a discount, the museumgoer must be younger than 12 or 65 years old or older.

Write the compound inequality that is depicted below.

9.



10.

