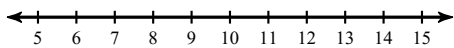


HW 2.1a - Solving Inequalities

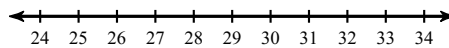
Period _____ Number _____

Solve each inequality and graph its solution.

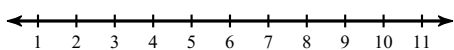
1) $-4 + 10x \geq 96$



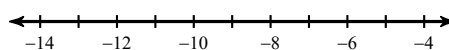
2) $\frac{-6 + v}{11} > 2$



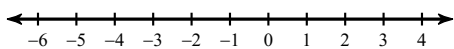
3) $\frac{x + 14}{-4} \leq -5$



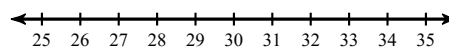
4) $2 < 8 + \frac{x}{2}$



5) $3 + \frac{v}{2} > 1$



6) $4 > \frac{-11 + x}{4}$



Solve each inequality. CIRCLE YOUR ANSWER!!

7) $11 > \frac{-5 + n}{2}$

8) $13 + 8a > -19$

9) $\frac{x + 3}{-3} > -7$

10) $\frac{n - 12}{13} \geq -3$

11) $-15 \geq -8 + \frac{k}{2}$

12) Lexi wanted to move her stuff to Provo (cause she's going to college and stuff). So she decided to rent a 12 foot moving truck (she has lots of shoes and mullet wigs). It was going to cost her \$15.99 up front plus 55 cents per mile. Her g-ma gave her \$50 to rent the truck. How many miles could she drive the truck using that money?

Write an inequality to represent the situation, then solve it and give me the answer.

13) What is the property that allows you to multiply through parentheses?