Name: _____   Show work needed to justify your answer.   Date: _____

HW # 34: Algebra 1 - Standard 21 - Solve Multi-Step Inequalities   5 points

Solve each inequality. Then graph the solution on a number line.

16. $-3(7n + 3) < 6n$

17. $21 \geq 3(a - 7) + 9$

18. $2y + 4 > 2(3 + y)$

<--------------------->   <--------------------->   <--------------------->

19. $3(2 - b) < 10 - 3(b - 6)$

20. $7 + t \leq 2(t + 3) + 2$

21. $8a + 2(1 - 5a) \leq 20$

<--------------------->   <--------------------->   <--------------------->

Translate each sentence into an inequality. Then solve the inequality

6. Five times a number minus one is greater than or equal to negative eleven.

12. Eight minus a number divided by three is greater than or equal to eleven.

13. Negative five-fourths times a number plus six is less than twelve.

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