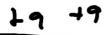
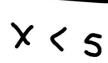
Algebra 1 Review Ch. 5 Quiz today 5.3

Test is Mon. (MCT 5.1-5.3)!

Example 1

Solve x - 9 < -4. Then graph it on a number line.







Solve -14h < 56. Check your solution. -14 - 74 -14 - 74 -14 - 3 < 56 -14 - 3 < 56 -14 - 3 < 56 -14 - 3 < 56

Example 3

Solve -6y - 13 > 29. Check your solution.



Whiteboards

29. Four times a number decreased by 6(s less than -2. Define a variable, write an inequality, and solve for the number.

12.
$$5b-1 \ge -11$$
 $+1$
 $5b \ge -10$
 5
 5
 5
 5

$$\frac{13}{4} > 15 + 2a$$
 $\frac{4}{3} > \frac{3}{4}$
 $\frac{3}{3} > \frac{3}{4}$
 $\frac{3}{3} > \frac{3}{4}$

17.
$$37 < 7 - 10w$$

Define a variable, write an inequality, and solve each problem. Check y

22. Three fourths of number decreased by nine is at least forty-two.

23. Two thirds of a number added to six is at least wenty-two.

$$\frac{2}{3}$$
n+6 \geq 22

26. Ten is no more than 4 times the sum of twice a number and three.

STRUCTURE Solve each inequality. Graph the solution on a number line.

29. -3(7n+3) < 6n

30. $21 \ge 3(a-7) + 9$