Quiz 5.1-5.2

Algebra 1 5.3

Solve multi-step linear inequalities

Use the distributive property to solve linear inequalities

distributive property inequality

empty set $N \leq$ all real numbers anything

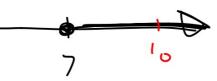
Whiteboards

$$36h - 10 \ge 32$$

+10 +10

Solve, graph, check

h≥ 7



4.
$$-3 \le \frac{2}{3}r + 9$$

6.
$$4m - 17 < 6m + 25$$

$$\frac{-2m}{-2} < \frac{42}{-2}$$

$$m > -21$$

9. $-6 \le 3(5v - 2)$

10.
$$-5(g+4) > 3(g-4)$$

What is the letter you are using? What is the relationship? (< > =?) Write the inequality and solve.

Define a variable, write an inequality, each problem. Then check your solution.

7. Four times a number minus 6 is greater than eight plus two times the number.

8. Negative three times a number plus 4 is less than five times the number plus 8.

$$-3n+4 < 5n+8$$

at most <