Algebra 1 5.1 Solve linear inequalities by using addition* Solve linear inequalities by using subtraction*

inequality
set builder notation
addition property
subtraction property
whiteboards

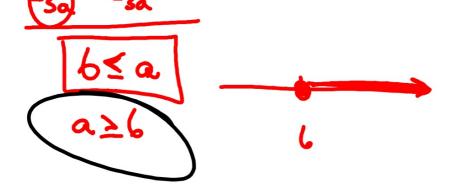
triangle puzzles (if time)

N < - 3

N < - 3

Example 3 Variables on Each Side

Solve $3a + 6 \le 4a$. Then graph the solution set on a number line.



Whiteboards

GuidedPractice

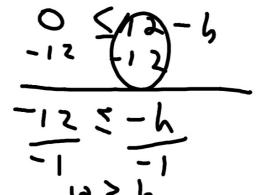
Solve each inequality. Then graph

3A. 9n - 1 < 10n -9n -1 < n n > -1

3B.
$$5h \le 12 + 4h$$



triangle puzzle (if time)



$$\frac{2h \geq 5h + 6}{-5h} - \frac{5h}{-5h} \geq \frac{6}{-3} + \frac{25h + 6}{-6} = \frac{2h + 6}{-2h} = \frac{2h + 6}{-3h} = \frac{2h + 6}{-3h} = \frac{2h + 6}{3}$$

{ h | h ≥ o}