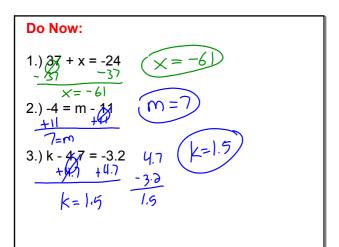
3.6 MC3.notebook October 23, 2015

7.NS

7.EE

· Calculators: No



Oct 20-10:54 AM Oct 20-10:57 AM

How can we solve this problem...

In a game of disc golf, the target is beyond a pond the far end of which is 300 feet away. Your first throw travels 134 feet. How far does your second throw have to go in order to clear the pond?

3.6 Solving Inequalities
Using Addition or Subtraction

> greater than ≥

< less than <

analyze situations using algebraic symbols.

SWBAT solve inequalities using addition or subtraction.
SWBAT write a verbal sentence as an equation.
SWBAT represent situations using algebraic symbols;

Oct 20-11:27 AM Oct 20-10:58 AM

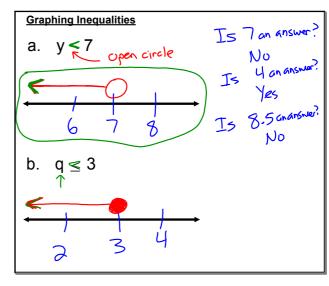
Graphing Inequalities

1 2 3 4 5

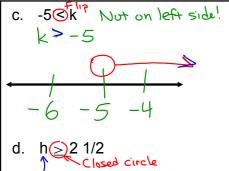
Use a number line to graph inequalities

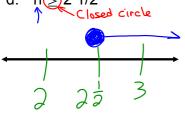
-use an open circle to graph less than (<) or greater than (>)

- -use a closed circle to graph less than or equal to (\leq) or greater than or equal to (\geq)
- -keep the variable on the left side of the inequality symbol



Oct 20-11:04 AM Oct 20-11:01 AM





Oct 19-11:51 AM

Graphing Inequalities

- a. z ≥ 1 ←
- b. 4 < p ←
- c. k ≤ -3.5 ←
- d. 1/2 < m

Oct 20-11:20 AM

Adding or Subtracting Inequalities

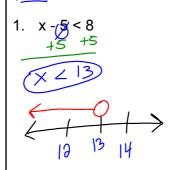
If a > b, then a + c > b + c

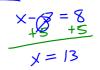
If a > b, then a - c > b - c

If a < b, then a + c < b + c

If a < b, then a - c < b - c

Solve the inequality. Then graph its solution.





Oct 20-11:23 AM

Oct 20-11:22 AM

Solve the inequality. Then graph its solution.

2.
$$y \neq 10 \\ y \geq 10$$
$$y \geq 17$$



Solve the inequality. Then graph its solution.

7 < m

Flip it around

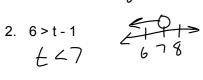




Oct 20-11:24 AM Oct 20-11:24 AM

Solve the inequality. Then graph its solution.







Oct 20-11:25 AM

Exit Pass 3.6

In a game of disc golf, the target is beyond a pond the far end of which is 300 feet away. Your first throw travels 134 feet. How far does your second throw have to go in order to clear the pond?

Oct 20-10:57 AM

"Don't blame the sea if you cannot catch a fish."

Working individually or with a partner, complete the workbook.

Workbook pg. 41 #1-17, 21-26



Reflection of Today's Lesson

3.6 Solving Inequalities **Using Addition or Subtraction**

7.NS 7.EE

- SWBAT solve inequalities using addition or subtraction.
- SWBAT write a verbal sentence as an equation.
- SWBAT represent situations using algebraic symbols; analyze situations using algebraic symbols.

Oct 20-10:57 AM Oct 19-12:01 PM

Homework

pg. 143 #10-17, 22-31

