## November 23rd

Due Today: 4.3 HW

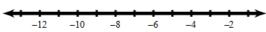
**Unit 3: Inequalities** 

Lesson 4.4: Inequalities Functions + Review

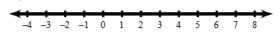
## Get Ready:

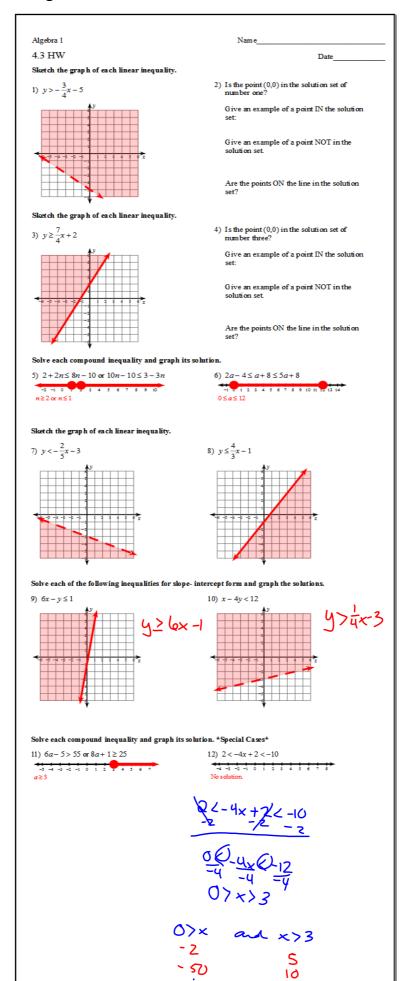
Solve each compound inequality and graph its solution. \*Special Cases\*

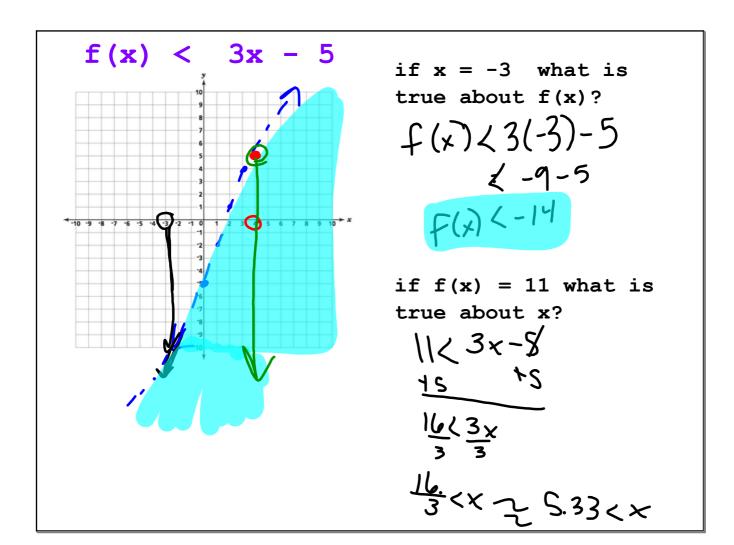
11) 
$$1 + 2n \ge 19$$
 or  $8n + 3 \ge -53$ 



12) 
$$3 + 9b > 5b + 7$$
 and  $9b + 10 \le 9b - 5$ 

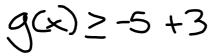




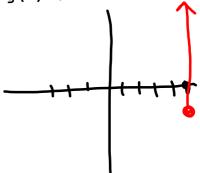


## $g(x) \geq -x + 3$

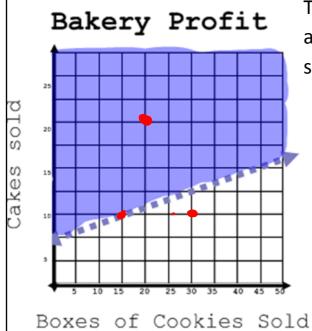
if x = 5, what is true about g(x) ?







if g(x) = 0, what is true about x?



The graph to the right shows the profits of a local profit in terms of cake and cookie sales.

a. Describe what the graph says.

b. If the bakery sells 20 boxes of cookies and 20 cakes, will it make a profit?

yes

c. If the bakery sells 10 cakes and 30 boxes of cookies, will it make a profit?

d. If the bakery sells 15 boxes of cookies and 10 boxes of cookies, will it make a profit?

Linear Inequalities and Modeling Worksheet				

Unit 4: Inequalities				
Lesson :	Name	Recap	HW	
4.1	Review of Basic inequalities		Delta Math 4.1 4.1 Modeling Sheet	
4.2	Compound Inequalities		Finish all The problems	
4.3	Línear Inequalitíes			
4.4	Functions + Review		binish hak Raniewshark	
4.5	TEST			

## **Mastery Topics:**

- one variable inequalities
- 3) two variable inequalities