Name:_____

Mr. Williams

Date:_____

Inequalities

Day 01-Inequaliites

Homework

#1.) Give an example of where you find situations with inequalities in everyday life. Also, write an inequality to represent that situation.

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#2.) Integers that are greater than or equal to zero are classified as what types of numbers? Represent this classification of numbers using an inequality.

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For #'s 3 – 5: Write an inequality for each sentence.

#3.) At a restaurant, children under 6 years old eat for free.	#4.) You are given a max of 45 minutes to complete a test.	#5.) If you spend $100 or more at the store you receive a coupon.

For #'s 6 – 8: Determine whether the inequality is *true* or *false* for the value given.

#6.) $x - 11 < 9$; $x = 20$

#7.) $42 \geq 6a$; $a = 8$

#8.) $\dfrac{n}{3} + 1 \leq 6$; $n = 15$

For #'s 9 – 11: Graph the solution set of each inequality on the number line.

#9.) $x \geq 9$

#10.) $-5 > x$

#11.) $x \neq 12$