TASK 2: Inequalities- Part 1 (Sec 6.3 & 6.4) Week 9 **Name: _____**

Tuesday, May

The following is to be completed and passed in by May 8th

- **Please note**: I will be collecting your work at the end of the task and expect to see the following (you will be marked on this):
  - Each section of work (mini-lesson, examples, sets of questions/answers, etc.) must be properly labeled.
  - Work showing that you tried each of the examples requested
  - Answers for each question (not just the final answers!! Show work where possible!)
  - It should be clearly visible that your work was corrected and some questions were done over.
- It is necessary that you stay on task and not be disruptive during class time. There will be "guided learning" going on throughout each class (I will be working with a few students at a time, going over class material). The rubric below (#1 specifically) will reflect your effort to cooperate. This is very necessary in order for guided learning to take place.

➔ **Day 1 (Date:_____)**

- Topic – "***Inequalities"***
- Mini-lesson #1- Introduction to Linear Inequalities. **Please copy down examples.**
- **Textbook Questions Pg. 292 #3abcdef, 4, 5, 6, 8ab.** Check and correct your answers using the answer key in the back of your textbook. Use pen to mark right or wrong and to **make any corrections.**

➔ **Day 2 (Date:_____)**

- Topic – "***Inequalities"***
- Mini-lesson #2- Graphing Inequalities. **Please copy down examples.**
- **Complete Handout #1.** Check and correct your answers using the answer key at the back of the classroom. Use pen to mark right or wrong and to **make any corrections**
- **Textbook Questions Pg. 292 #9, 12, 13abc.** Check and correct your answers using the answer key in the back of your textbook. Use pen to mark right or wrong and to **make any corrections.**

➔ **Day 3 (Date:_____)**

- Topic – "***Inequalities"***
- Mini-lesson #3- Solving Linear Inequalities. **Please copy down examples.**
- **Textbook Questions Pg. 298 #6, 7, 8abcd & 9abc.** Check and correct your answers using the answer key at the back of the classroom. Use pen to mark right or wrong and to **make any corrections.**
- **Complete Handout Solving & Graphing Inequalities.** Check and correct your answers using the answer key at the back of the classroom. Use pen to mark right or wrong and to **make any corrections**

➔ **Day 4 (Date:_____)**

- **Quiz: Linear Inequalities**
- Tidy up the rest of TASK and hand into the grade 9 basket at the back of the room.

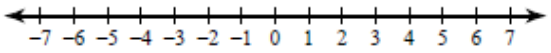
Please make sure to go through the "Checklist" below before handing in your task!

Item	Description	Checklist	Evaluation
1. Work ethic	Worked quietly and independently without disrupting other students. Stayed on task and used class time effectively. Points will be deducted if you are not using class time effectively.		/5
2. Introduction to Linear Inequalities **(Part 1)**	**Mini-Lesson #1: Linear Inequalities.** You are required to pay attention, ask questions, and take notes. If you miss the mini-lesson, please do one of the following: borrow and copy another student's notes or come see me for an extra help lesson at lunch hour.		/5
	Textbook Questions Pg. 292 #3abcdef, 4, 5, 6, 8ab		/10
	Check each of your answers with those in the answer key. Incorrect questions must be **redone correctly**. Ask your teacher for help if you cannot figure out where you made an error. This is VERY important!		/5
3. Introduction to Linear Inequalities **(Part 2)**	**Mini-Lesson #2: Graphing Linear Inequalities.** You are required to pay attention, ask questions, and take notes. If you miss the mini-lesson, please do one of the following: borrow and copy another student's notes or come see me for an extra help lesson at lunch hour.		/5
	Complete Handout #1 **Textbook Questions Pg. 292 #9, 12 & 13abc.**		/15
	Check each of your answers with those in the answer key. Incorrect questions must be **redone correctly**. Ask your teacher for help if you cannot figure out where you made an error. This is VERY important!		/5
4. Solving Linear Inequalities	**Mini-Lesson #3: Solving Linear Inequalities.** You are required to pay attention, ask questions, and take notes. If you miss the mini-lesson, please do one of the following: borrow and copy another student's notes or come see me for an extra help lesson at lunch hour.		/5
	Textbook Questions Pg. 298 #6, 7, 8abcd & 9abc **Complete Handout Solve & graph the inequalities**		/15
	Check each of your answers with those in the answer key. Incorrect questions must be **redone correctly**. Ask your teacher for help if you cannot figure out where you made an error. This is VERY important!		/5
5. Math Activity	1. Attempt questions from Edition 1 or Edition 2 2. Play another Math game		/5
5. Organization of the week's work	The student's work is organized; it is easy to follow and text questions/answers are properly numbered and mini-lessons labeled.		/10
6. Completion of task	Task was FULLY completed and passed in on or before due date specified.		/10
		Total:	**/100**

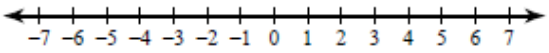
Task 2: Handout 1-Graphing Inequalities. Name: _____

Draw a graph for each inequality.

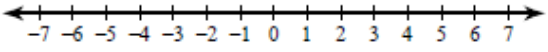
1) $n \leq -5$



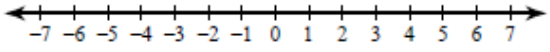
2) $n \leq 5$



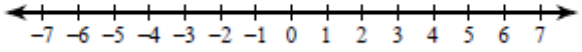
3) $x < 1$



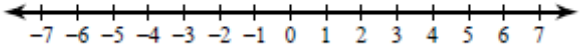
4) $r > 2$



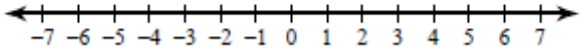
5) $n > 5$



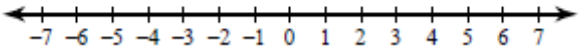
6) $r \leq -2$



7) $k \leq -2$

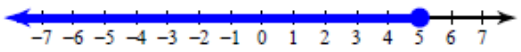


8) $m < -5$



Write an inequality for each graph.

19)



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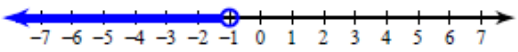

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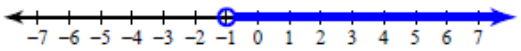

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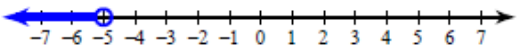
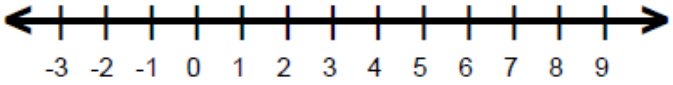
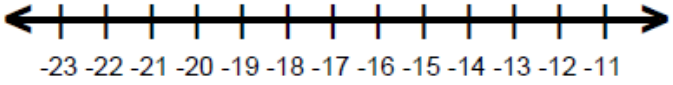


Solve and Graph the Inequalities

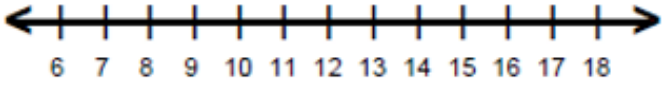
1) $f - 8 \leq -7$



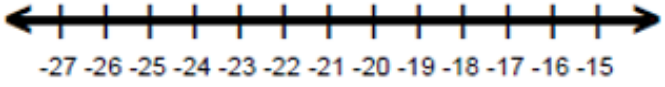
2) $-6 \geq n + 9$



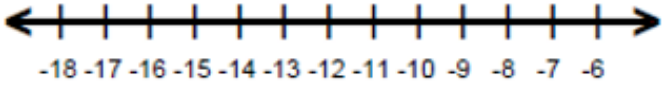
3) $10 \geq c - 2$



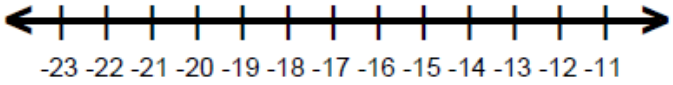
4) $-19 \geq x - 2$



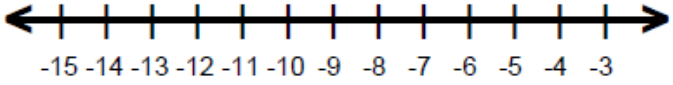
5) $-7 \geq 7 + w$



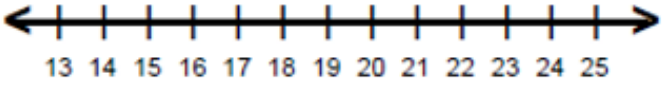
6) $j + 7 \leq -7$



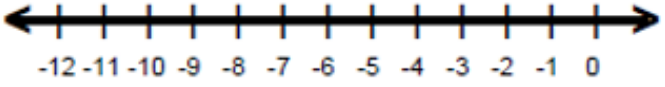
7) $r - 6 \leq -17$



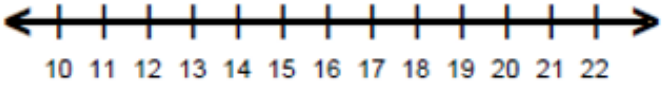
8) $g - 8 \geq 7$



9) $-12 \leq -3 + p$



10) $16 \leq -2 + v$

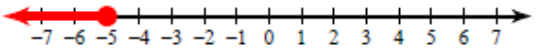


Mr. Graham **SOLUTIONS**

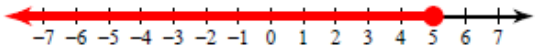
Task 2: Handout 1-Graphing Inequalities.

Draw a graph for each inequality.

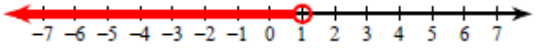
1) $n \leq -5$



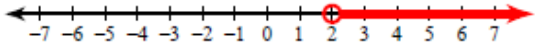
2) $n \leq 5$



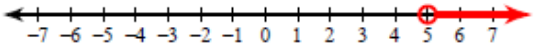
3) $x < 1$



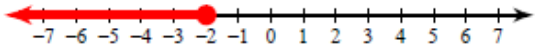
4) $r > 2$



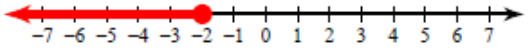
5) $n > 5$



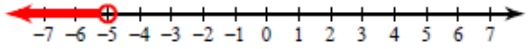
6) $r \leq -2$



7) $k \leq -2$

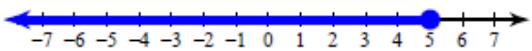


8) $m < -5$



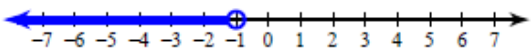
Write an inequality for each graph.

19)



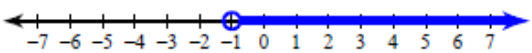
$n \leq 5$

20)



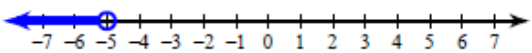
$p < -1$

21)



$r > -1$

22)



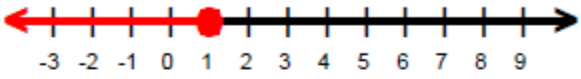
$a < -5$

Mr. Graham **SOLUTIONS**

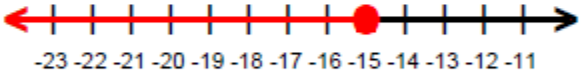
Task 2: Handout: **Solve & graph the inequalities**

Solve and Graph the Inequalities

1) $f \leq 1$

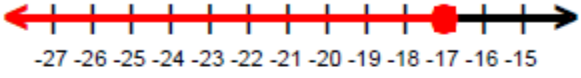


2) $n \leq -15$

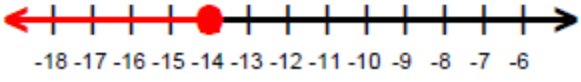


3) $c \leq 12$

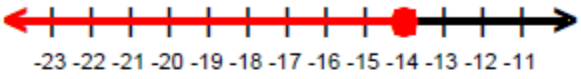
4) $x \leq -17$



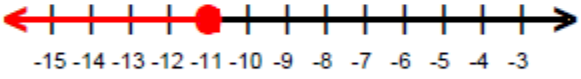
5) $w \leq -14$



6) $j \leq -14$

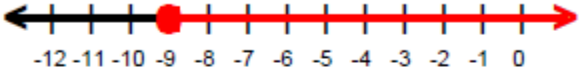
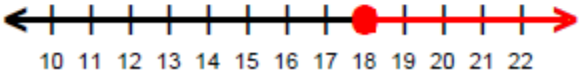


7) $r \leq -11$



8) $g \geq 15$

9) $p \geq -9$



10) $v \geq 18$