TASK 3: Linear Relations - Part 1 (Sec 4.1)   Week 11   Name: _____

Tuesday, May

The following is to be completed and passed in by **May nd**.
- ➔ **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**

  - ○ **Whole Class Activity: "Finding a pattern". Work in groups to answer all problems. Use diagrams and show all work. Final answers should be in sentence to completely answer the question!**

- ➔ **Day 2**

  - ○ **Mini-Lesson #1: Substiuting a number for a variable and making a table of values.**
  - ○ **Complete the following:**
    - ▪ **"Why should you look out for a pig that knows karate?**
    - ▪ **Function Tables**

- ➔ **Day 3**

  - ○ **Mini-Lesson #2: Creating an equation to describe a pattern.**
  - ○ **Complete the following:**
    - ▪ Questions From the Textbook: Page 159 –161 #4, 5, 9, 11a & 14
    - ▪ **Extra Practice Worksheet: TASK 3**

- ➔ **Day 4**
  - ○ **Quiz: Section 4.1 (Week 11)**

When you are all done, please make sure to double check to make sure you have done everything your task required. Also, please make sure to fill out the rubric and mark yourself. Once you are all done this, you can make sure everything is in order, and then pass it all in (including the rubric).

Task #3 Rubric: Linear Relations (Part1- Section 4.1) Week 11

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.**		/5
2. Patterns	<u>Whole class activity:</u> **Finding a Pattern**		/10
3. Table of Values	<u>Mini Lesson:</u> **Sustituting and Table of values**		/5
	Complete the 2 Worksheets: **"Why should you look out for a pig that knows karate?" & Function Tables**		/15
	Marked and corrected Practice questions. Incorrect questions were redone correctly.		/5
4. Section 4.1 Writing Equations to Describe a Pattern	<u>Mini Lesson:</u> **Creating Equations**		/5
	Textbook Questions Pg. 159 – 161 #4, 5, 9, 11a & 14		/15
	Marked and corrected Practice questions. Incorrect questions were redone correctly.		/5
	Extra Practice Worksheet: TASK 3		/10
	Marked and corrected Practice questions. Incorrect questions were redone correctly.		/5
5. Math Actvity	**1. Try Edtion 2 or 3** **2. Play another math game**		/10
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.**		/5
6. Completion of task	**Task was FULLY completed and passed in on or before due date specified. Due on May** **Quiz for Section 4.1 will be on Friday**		/5
		Total:	/100

TASK 3: Worksheet #1 (Week 11)

Why Should You Look Out for a Pig That Knows Karate?

Simplify or evaluate each expression below, as directed. Find your answer in the corresponding answer column. Write the letter of the exercise in the box that contains the number of the answer.

SIMPLIFY:

		Answers:
I	$4 \cdot 9 + 1$	⑦ 62
T	$6 + 7 \cdot 10$	㉒ 27
U	$42 - 2 \cdot 7$	⑨ 37
O	$8 + 50 \div 2$	⑤ 31
E	$(10)(3) - 4$	⑰ 33
G	$2 \cdot 8 + 3 \cdot 5$	② 76
A	$\dfrac{60}{3} - (2)(4)$	⑮ 12
T	$5 \cdot 12 + \dfrac{32}{16}$	⑱ 0
Y	$3 + 2 \cdot 5 \cdot 8$	⑫ 83
I	$(4)(6)(3) - 20 + 1$	⑭ 28
O	$18 \div 2 \times 3$	① 53
R	$3 \cdot 3 + 4 \cdot 4 - 5 \cdot 5$	⑪ 26

EVALUATE if $a = 2$, $b = 3$, $x = 5$, $y = 8$, and $w = 20$:

		Answers:
I	$4x + 7$	⑩ 16
C	$1 + 6y$	⑯ 10
H	$9 - 2b$	⑧ 17
O	$8x + 3y$	⑳ 49
M	$a + bw$	⑬ 64
V	$aw - by$	㉑ 12
P	$b + \dfrac{w}{x}$	④ 27
G	$\dfrac{bw}{x} - a + 7$	㉓ 7
K	$abxy - 5w$	③ 62
H	$36 - 4ab$	⑲ 140
P	$5 + 3x - \dfrac{w}{a}$	⑥ 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

OBJECTIVE 1–b: To apply rules for order of operations; evaluate variable expressions.

TASK 3: Worksheet #1 (Week 11)

<u>Solutions:</u>

Page 2

I.	37
T.	76
U.	28
O.	33
E.	26
G.	31
A.	12
T.	62
Y.	83
I.	53
O.	27
R.	0
I.	27
C.	49
H.	3
O.	64
M.	62
V.	16
P.	7
G.	17
K.	140
H.	12
P.	10

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A PORK CHOP

Complete the function table for each equation.

1) y = 8x

x	y
-4	-32
-2	-16
-3	-24
4	32
5	40

5) y = x + 7

x	y
5	
4	
-2	
-5	
-7	

9) y = 2x

x	y
1	
9	
-7	
6	
7	

2) y = -8x - 5

x	y
0	
1	
7	
-2	
-1	

6) y = 6x

x	y
3	
-9	
5	
-8	
1	

10) y = -9x - 3

x	y
-7	
-2	
-4	
7	
-5	

3) y = x - 9

x	y
0	
-7	
-2	
-3	
-1	

7) y = -3x - 2

x	y
-3	
-7	
6	
7	
8	

11) y = 3x

x	y
1	
-2	
8	
5	
7	

4) y = x - 7

x	y
1	
0	
-3	
9	
-9	

8) y = x + 8

x	y
8	
-2	
0	
-5	
4	

12) y = -2x + 3

x	y
6	
1	
9	
-9	
5	

TASK 3 Worksheet: Function Tables

Complete the function table for each equation.

1) y = 8x

x	y
-4	-32
-2	-16
-3	-24
4	32
5	40

5) y = x + 7

x	y
5	12
4	11
-2	5
-5	2
-7	0

9) y = 2x

x	y
1	2
9	18
-7	-14
6	12
7	14

2) y = -8x - 5

x	y
0	-5
1	-13
7	-61
-2	11
-1	3

6) y = 6x

x	y
3	18
-9	-54
5	30
-8	-48
1	6

10) y = -9x - 3

x	y
-7	60
-2	15
-4	33
7	-66
-5	42

3) y = x - 9

x	y
0	-9
-7	-16
-2	-11
-3	-12
-1	-10

7) y = -3x - 2

x	y
-3	7
-7	19
6	-20
7	-23
8	-26

11) y = 3x

x	y
1	3
-2	-6
8	24
5	15
7	21

4) y = x - 7

x	y
1	-6
0	-7
-3	-10
9	2
-9	-16

8) y = x + 8

x	y
8	16
-2	6
0	8
-5	3
4	12

12) y = -2x + 3

x	y
6	-9
1	1
9	-15
-9	21
5	-7