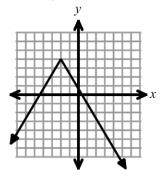
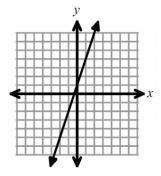
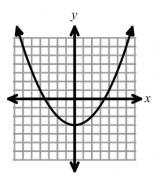
For #1-12, find the domain and range of each function or relation.

1)

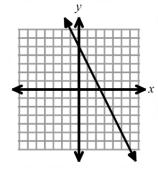




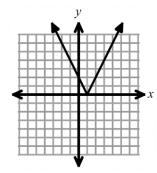
3)



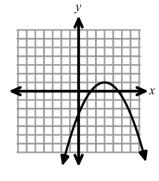
4)



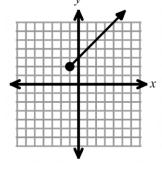
5)



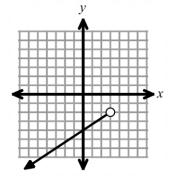
6)



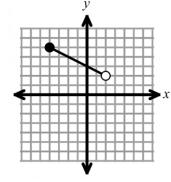
7)



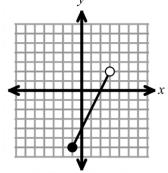
8)



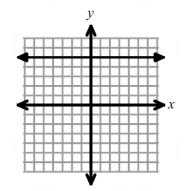
9)



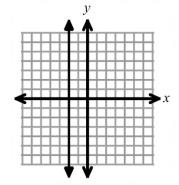
10)



11)



12)



5.1 Reflection

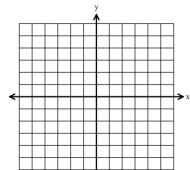
A)	What are things you are understanding well about this lesson?
B)	What is an area that you are needing clarification on from this lesson?
C)	What are the behaviors that can best support your learning for this lesson?
D)	What is one thing from the last week that you are proud of?
E)	What is your goal for the Big Quiz on this unit?

Credit Recovery Alg 1 Sem 1

5.2 Worksheet

Name:

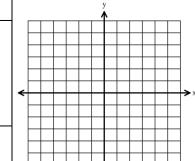
- 1) Graph: $y = \frac{1}{3}|x 2| 6$
- 2) from #1
- 3) Graph: y = -|x| + 3
- 4) from #3



Vertex:

Domain:

Range:

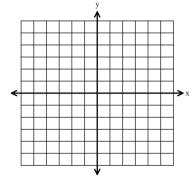


Vertex:

Domain:

Range:

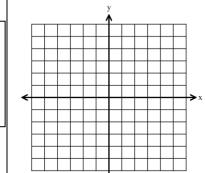
- 5) Graph: y = 2|x + 4| + 1
- 6) from #5
- 7) Graph: y = -3|x 5|
- 8) from #7



Vertex:

Domain:

Range:

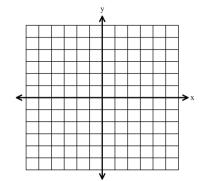


Vertex:

Domain:

Range:

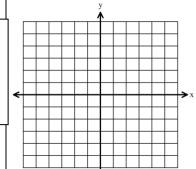
- 9) Graph: y = |x + 3| 6
- 10) from #9
- 11) Graph: $y = -\frac{2}{3}|x| + 5$
- 12) from #11



Vertex:

Domain:

Range:

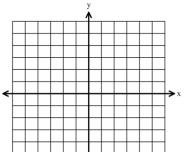


Vertex:

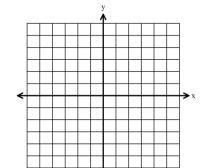
Domain:

Range:

- 13) Graph: y = -2|x 3| 1 14) from #13
- 15) Graph: $y = \frac{1}{3}|x+2|-4$
- 16) from #15



Transformations from y = |x|:



Transformations from y = |x|:

Almost done! 5.2 Reflection on the next page...

5.2 Reflection

D) List a goal for your next assignment.

0	1	2	3	4												
No frustration	A small amount of frustration	Frustrated half the time	Frustrated most the	time Frustrated all of the time												
) Use the scale below to determine how confident you are on each topic in the table below.																
0	1	2	3	4												
Not confident	Slightly confident	Confident half the time	Confident most the	time Confident all of the time												
	Por		Confidence Scale Value													
Graphing	an absolute value function															
Finding the coordinates of the vertex Writing the domain Writing the range Writing the transformations																
							C) Are you proud of your effort on this assignment? Why or why not?									
							Y Y F Y									

For #1 - 12: Solve for x in each equation below, if possible.

1)
$$|x| = 5$$

(2)
$$|2x - 4| = 8$$

3)
$$5|x-3|=60$$

4)
$$-3|x| + 8 = -7$$

7)
$$-5|x| + 4 = -6$$

$$8) \ \frac{1}{4}|x-5| = 11$$

9)
$$-\frac{1}{5}|x| + 3 = -4$$

10)
$$-4|x-3|+1=9$$

11)
$$3|x| + 16 = 7$$

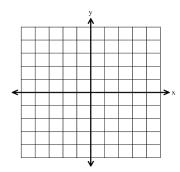
12)
$$2|6x - 5| - 6 = 8$$

5.3 Reflection

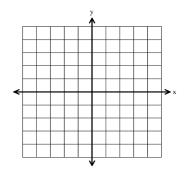
	ow much do you agree with oblems that were hard for me,		•	on this assignment, because I tried was challenging.
	1) strongly disagree	2) disagree	3) agree	4) strongly agree
	ow much do you agree with myself down and then focus or		I felt frustrated	on this assignment, I was able to
	1) strongly disagree	2) disagree	3) agree	4) strongly agree
	ial.	notes, watching a vide	o, getting help fr	om others) to try to understand the
	1) strongly disagree	2) disagree	3) agree	4) strongly agree
D) A	re you proud of your effort on	this assignment? Why	or why not?	

For #1 - 10: Graph each linear inequality.

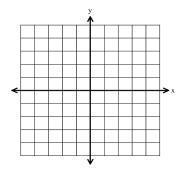
1)
$$y > -\frac{2}{5}x + 3$$



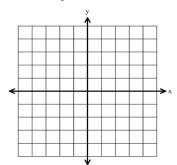
2)
$$y \le 2x - 1$$



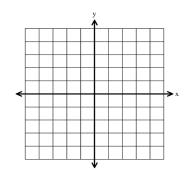
3)
$$y \ge \frac{1}{3}x - 4$$



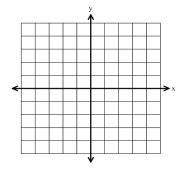
4)
$$y < \frac{1}{4}x - 3$$



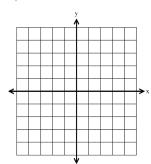
5)
$$y > 4x - 3$$



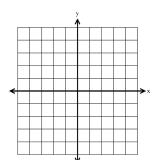
6)
$$y \le \frac{1}{5}x$$



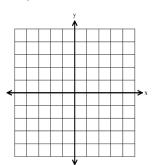
7)
$$x > 3$$



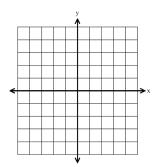
8)
$$y < -1$$



9)
$$x \ge -4$$



10)
$$y \le 3$$



For #11 - 14: Write the explicit formula for each arithmetic sequence below.

12)
$$-1, 7, 15, 23, 31, \dots$$

13)
$$30, 20, 10, 0, -10$$

5.4 Reflection

Part A) How well are you understanding Ch 5? Consider each topic, and then measure your understanding between 0 (not understanding at all) and 5 (am able to help other students on this topic.)

Торіс	Ranking (0 to 5)
Finding domain and range	
Graphing absolute value functions	
Solving absolute value equations	
Graphing linear inequalities	
Writing explicit formulas for arithmetic sequences	

Part B) Evaluate your *effort* on the 5.4 lesson. Include your effort and focus during notes, as well as during the HW time. Share your thoughts below.

Part C) What is your goal for your semester grade in this class?

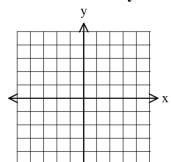
For #1-4, sketch each function and identify the requested information.

1)
$$y = -\frac{1}{3}|x+1| + 4$$

Vertex:

Domain:

Range:

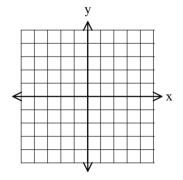


2)
$$y = \frac{2}{3}|x - 2|$$

Vertex:

Domain:

Range:

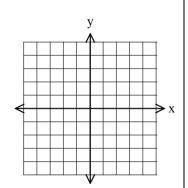


3)
$$y = \frac{1}{2}|x| - 3$$

Vertex:

Domain:

Range:

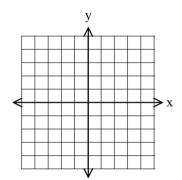


4)
$$y = -3|x - 2| + 5$$

Vertex:

Domain:

Range:



For #5 – 6: Write the transformations from the parent function y = |x| for the given function.

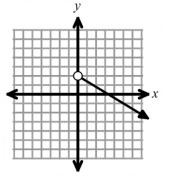
5) The graph from #3.

6) The graph from #4.

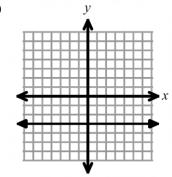
For #7 - 9, write the explicit form for each arithmetic sequence.

For #10 - 12, write the domain and range for the graph shown.

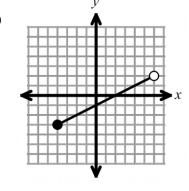
10)



11)



12)



Ch 5 Review Worksheet, continued...

For #13 - 16, solve for the variable.

13)
$$|x| + 4 = 18$$

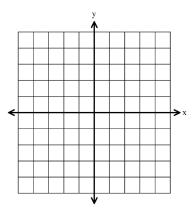
14)
$$2|x+5|-1=25$$

15)
$$-1 = -2|x - 3| + 9$$

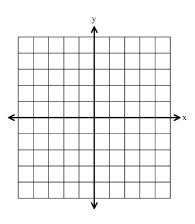
16)
$$-5|3 - 8x| = 20$$

For #14 - 17: Graph each linear inequality.

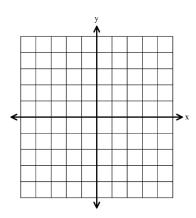
14)
$$y \ge -\frac{2}{3}x + 4$$



15)
$$y < 3x - 2$$



16)
$$y > -2$$



17)
$$x \le -1$$

