

OAKLAND CUSD #5

**ALGEBRA III**  
**MAY 4 - 8, 2020**

EMILY MYERS

## Week of May 4-8, 2020

Ms. Myers

Hello everyone. Choose 2 of the following activities for the class you are enrolled in to complete for this week. All assignments may be turned in via google classroom. Take a picture or scan it in and turn it into the corresponding assignment. Or you may turn in paper copies to the office and they will get them to me. Both choices are due by Monday, May 11 at noon. Be sure to write whatever choice you are doing at the top of your page.

I will be at my computer for questions on Tuesday 10a-12p, Wednesday 3p-5p & Thursday 12p-2p.

**NO WORK = NO CREDIT**

Class	Choice 1	Choice 2	Choice 3	Choice 4	Choice 5
<b>Algebra 2</b>	Water Park Project  Show all work!	Duct Tape/Pencil Pouch Project  Show all work!	Cross Number Wkst  Show all work!	\$1,000,000 Challenge  Show all work!	Geometry Careers Project
<b>Algebra 3/Trig</b>	Complete the assignment that was assigned on Khan Academy.	Water Park Project  Show all work!	Cross Number Wkst  Show all work!	\$1,000,000 Challenge  Show all work!	Geometry Careers Project
<b>Geometry</b>	Year 9 Algebra Revision Sheet  Show all Work!	Duct Tape/Pencil Pouch Project  Show all work!	Cross Number Wkst  Show all work!	\$1,000,000 Challenge  Show all work!	Geometry Careers Project
<b>Tech Math</b>	Duct Tape/Pencil Pouch Project  Show all work!	Year 9 Algebra Revision Sheet  Show all work!	Cross Number Wkst  Show all work!	\$1,000,000 Challenge  Show all work!	Geometry Careers Project



**TASK 2: Naming Your Coordinates**

After planning out the layout and design of each water park attraction, you must identify it's location by using ordered pairs. Use your "entrance points" as the attractions identifiable location, and fill in the chart below accordingly!

Location:	Ordered Pairs:
Help Center	( _____ , _____ )
Large Whirlpool	( _____ , _____ )
Water Slide #1	( _____ , _____ )
Water Slide #2	( _____ , _____ )
Water Slide #3	( _____ , _____ )
Toddler Area	( _____ , _____ )
Lazy River	( _____ , _____ )
Concessions	( _____ , _____ )
Gift Shop	( _____ , _____ )
Restrooms	( _____ , _____ )
Security Desk	( _____ , _____ )

**TASK 3: Calculating the Slope**

After identifying each attraction's location with ordered pairs, you are now ready to calculate the slope between attractions using the slope formula,

$$\frac{Y_2 - Y_1}{X_2 - X_1}$$

Using a RED pencil and a ruler, MARK the direct path to/from the locations mentioned below. Calculate the slope of the line that is formed, and show your work in the space provided.

Help Center to Water Slide #1	Toddler Area to Concessions
Gift Shop to Restrooms	Security Desk to Water Slide #2
Lazy River to Large Whirlpool	Help Center to Gift Shop
Restrooms to Water Slide #3	Concessions to Lazy River
Water Slide #1 to Water Slide #2	Water Slide #2 to Water Slide #3

**Task 4: Writing Linear Equations.**

In task 3 you identified direct paths between various park attractions by drawing them in with red lines. Now, you will show off your skills by writing equations for each of those red lines.

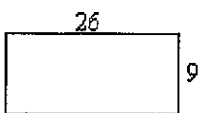
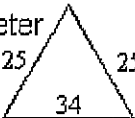
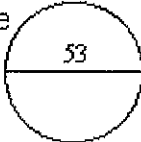
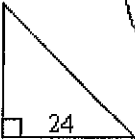
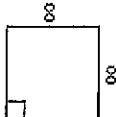
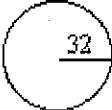
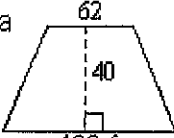
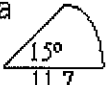
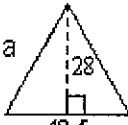
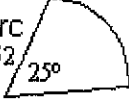
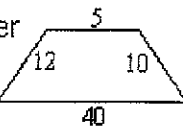
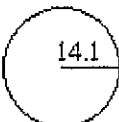
<p>Help Center to Water Slide #1</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>	<p>Toddler Area to Concessions</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>
<p>Gift Shop to Restrooms</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>	<p>Security Desk to Water Slide #2</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>
<p>Lazy River to Large Whirlpool</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>	<p>Help Center to Gift Shop</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>
<p>Restrooms to Water Slide #3</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>	<p>Concessions to Lazy River</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>
<p>Water Slide #1 to Water Slide #2</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>	<p>Water Slide #2 to Water Slide #3</p> <p>_____</p> <p><math>Y = \text{_____} X +</math></p>

CROSSNUMBER

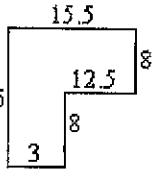
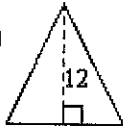
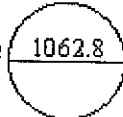
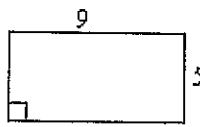
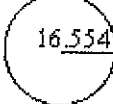
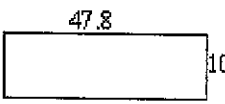
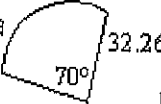
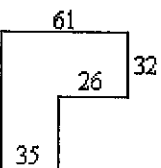
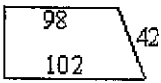
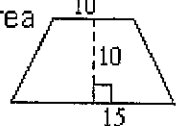
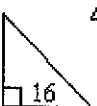
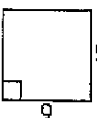
1	2	3	4	5	
6			7		8
9		10	11		
12	13			14	
15		16	17		18
19		20			

Round your answers to the nearest whole number

Across

- 2. Area 
- 5. Perimeter 
- 8. Circumference 
- 7. Area 
- 9. Area 
- 10. Area 
- 12. Area 
- 14. Area 
- 15. Area 
- 17. Length of arc 
- 19. Perimeter 
- 20. Area 

Down

- 1. Perimeter 
- 2. Area 
- 3. Circumference 
- 4. Area 
- 5. Area 
- 8. Area 
- 9. Area 
- 11. Area 
- 13. Perimeter 
- 14. Area 
- 16. Area 
- 18. Area 

Alg 3

Myers Choice 4

6 of 7

## **\$1,000,000 Challenge**

Imagine getting a letter that states:

Congratulations! You have inherited \$300,000,000. However, there is a stipulation. You have exactly 30 days to spend exactly \$1,000,000; no more, no less. If you complete this challenge you will receive the \$300,000,000.

You may not donate more than 10% to charity. You may not put it in the bank to collect interest. You may not give it away to friends or family.

Make a presentation of everything you spend the money on with pictures showing the prices of your purchases. This will also include what you eat during this month and activities that you participate in.

You may do this on a poster or in google slides. You must also include a page of all of the calculations.



A19 3

Myers

Choice 5-

7 of 7!

## Geometry Careers Project

You are always asking "When will we ever use this?"

Here is your chance to tell me why.

Research 5 careers that use geometry. Find different characteristics about each career such as salary, schooling, and job description. Draw or print a picture of each career. Put all of the information on a poster board. Be sure to cite your sources. Remember: NO plagiarism! You may turn in the poster to the school or take a picture of it and turn in the picture.

### OR

Research 5 careers that use geometry. Find different characteristics about each career such as salary, schooling, and job description. Make a google slides presentation of the information. Be sure to cite your sources. Remember: NO plagiarism!