Oakland CUSD #5

Algebra III

April 20-24, 2020

Emily Myers

Week of April 20-24, 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, April 13 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.

Class	Choice 1	Choice 2	Choice 3	Choice 4	Choice 5
Algebra 2	Water Park Project Show all work!	Page 944 Lesson 1.6 #16-38 Show all work!	Page 945 Lesson 1.7 #7-26 Show all work!	Page 950 Lesson 3.2 Show all work!	Sharing Marbles Show all work!
Algebra 3/Trig	Complete the assignment that was assigned on Khan Academy.	Page 969 Lesson 9.2 Show all work!	Page 968 Lesson 8.7 even Show all work!	Page 968 Lesson 8.8 #1-18 Show all work!	Patterns in Pascal's Triangle Show all work!
Geometry	Geometry Construction Project 1	Page 205 Show all work!	Page 826 Lessons 3.5-3.6 Show all work!	Page 827 Lessons 3.7-3.8 Show all work!	Sharing Marbles Show all work!
Tech Math	Duct Tape/Pencil Pouch Project Show all work!	Integers Wkst Page 93 Show All Work!	Equations Wkst Page 102 Show all work!	Order of Operations Wkst Page 23 Show all work!	Sharing Marbles Show all work!

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Patterns in Pascal's Triangle

Algebra 3 Choice 5

Answer all questions.

1. How many odd numbers are in the 100th row of Pascal's triangle?
2. How many entries in the 100th row of Pascal's triangle are divisible by 3? By 5?
3. When you divide a number by 2, the remainder is 0 or 1. Color the entries in Pascal's triangle according to this remainder. You get a beautiful visual pattern. Can you explain it? Can you generate the pattern on a computer?
4. What about the patterns you get when you divide by other numbers? When you divide a number by 3, the remainder is 0, 1, or 2. Divide the entries in Pascal's triangle by 3 and color them according to their remainder. Can you explain your picture?