AMI Schedule for Ms. Bogart's Pre-AP Geometry – 2 weeks

This schedule allows for 5 blocks of work to cover the weeks of March 16-20 and March 30-April 3.

Block 1 – Your job for Block 1 is to get completely caught up on the review of the Polygon/Quadrilateral Unit. I have posted the review worksheet/textbook assignment (be sure to do #14 on p 312), a copy of my Geometric Truth for the unit, and a topic list for the test. There are answers for the assignment if you scroll down. On problems 5-6 on the worksheet, it is best if you make your sketch look like a rhombus, then like a square.

If you got the hard copy packet from me, the first page is all of this material. My post was on Sunday around 1:30 pm. It covers the block from Thurs/Fri last week. When and if we return to school, we will have one block of review of this unit, and then the test. The "study guide" contains important information.

Block 2 – Resources: my website, some type of gridded or dotted paper, possibly use a "geoboard" app on your phone or Ipad like "Geoboard, by The Math Learning Center". A hard copy to cover this block is in the purple office today until 4 pm. All needed info is available on my website as well.

The goal of this lesson is to find area of polygons by using mostly just rectangles and right triangles. The Geoboard activity has instructions and an example on it. One method: surround the polygon with a rectangle that circumscribes the polygon and find the area of the rectangle, then subtract the areas of the right triangles between the rectangle and the polygon. Another: break the polygon into right triangles and rectangles and add them up. There is also an assignment from the old textbook that is attached to the Block 2 Blog Post that needs to be done. Show what you did to get your answer. Work in your notebook in "In Class Section". Use the formulas for rectangles and parallelograms: Area = Base X Height. Height of parallelograms is like an altitude... it is perpendicular to the base. Some problems will give area and ask for a dimension. Substitute what you know into the formula and solve for what you don't know.

When you are done, you should have the problems I assigned from both pages of the "geoboard" sheet plus the old textbook work over area of rectangles and parallelograms.

Block 3 – Area of Triangles, Trapezoids, and Kites

Notes will be posted. The assignment AMI #3 is pp 413-4: 7-14, 20-21, p 422: 9-10, 12, 16, p 416: 1, 4, 5. Show all work. On p 416, think of your work as "submitting a bid to a potential customer"... make it good. Answers will be provided later after the work is done.

Block 4 – Area of Regular Polygons and Circles, Area Application Problems (real world surfaces)

Notes will be posted. There will also be links to some short videos. AMI #4 – pp 417-8; 9, 12, PP 422,3: 1-8, 13-14, 17-18, P 424: 23-24. Answers will be provided later.

Also do the last 9 problems on the second page of the AMI "packet" from either handed out hard copy or from link on my website. (Starts with "CE is a perpendicular bisector"; end with "A parallelogram has vertices...")

Block 5 – AMI #5: top part of second page of generic AMI "packet". From "Find the slope between" to "Solve for x in the triangle.". Worksheet: Area between graphed lines. Textbook: P 426-8: 1-3, 6, 15.