Agendas for the Week: *April 1st – April 5th, 2013 Geometry Regular – 6th Period*

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|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
|  | **Teacher Work Day** | **Objective(s): SWBAT**  - Write the equation of a circle.  - Graph a circle on the coordinate plane.  **NGSSS:**  MA.912.G.6.6  Given the center and the radius, find the equation of a circle in the coordinate plane or given the equation of a circle in center-radius form, state the center and the radius of the circle. **Moderate**  MA.912.G.6.7  Given the equation of a circle in center radius form or given the center and the radius of a circle, sketch the graph of the circle. **Moderate**  **SECTION 10.8** | **Objective(s): SWBAT**  - Write the equation of a circle.  - Graph a circle on the coordinate plane.  **NGSSS:**  MA.912.G.6.6  Given the center and the radius, find the equation of a circle in the coordinate plane or given the equation of a circle in center-radius form, state the center and the radius of the circle. **Moderate**  MA.912.G.6.7  Given the equation of a circle in center radius form or given the center and the radius of a circle, sketch the graph of the circle. **Moderate**  **SECTION 10.8** | **Objective(s):** SWBAT  - Identify the parts of pyramids. Find lateral areas, total areas, and volumes of regular pyramids.  **NGSSS:**  MA.912.G.2.5 Explain the derivation and apply formulas for perimeter and area of polygons (triangles, quadrilaterals, pentagons, etc.) **Moderate**  **SECTION 11.1** | **Objective(s):** SWBAT  - Find lateral areas, total areas, and volumes of right cylinders and right cones.  **NGSSS:**  MA.912.G.2.5 Explain the derivation and apply formulas for perimeter and area of polygons (triangles, quadrilaterals, pentagons, etc.) **Moderate**  **SECTION 11.2** |
| **P**  **L**  **A**  **N** | **Engage:** The teacher will ask students to describe what they know about circles and to create an equation for a circle.  **Explore:**  Students will work in pairs on the following WS to find values of x and y that work in the equation so that they can graph the equation. Students will dissect parts of the equation to find the center and the radius.  http://www.kutasoftware.com/FreeWorksheets/GeoWorksheets/11-Equations%20of%20Circles.pdf  **Explain:**  Students will share their findings with one another and then as a whole class discussion after the explore.  **Elaborate:** Students will work in their WB on page 138 #11 if time permits. | **Engage:** Teacher will check and go over homework.  **Explore:**  Students have already worked with equations of circles in the past so this will be a review. Students will work in groups to create the equations and graph the circles on page 137.  **Explain:**  Students will share their findings with one another and then as a whole class discussion after the explore.  **Elaborate:**  Students will create their own information about a circle (center and radius) and trade with classmates who will write the equation and graph. | **Engage:** Teacher will check and go over homework.  **Explore:**  Students will work with the following application to manipulate the shape and apply the knowledge they already have about area of rectangles. http://illuminations.nctm.org/ActivityDetail.aspx?id=48    **Explain:**  Students will share their findings with one another and then as a whole class discussion after the explore. Students will come to the board and manipulate the shape to show their thinking to the class.  **Elaborate:** The teacher will ask students to consider number 10 on page 140 in the WB | **Engage:** Teacher will check and go over homework.  **Explore:**  Students will in pairs to go through and explore the student worksheet: http://teacherweb.com/ID/Preston/Smith/gstnotes\_AreaTrapRhomKiteB.pdf    **Explain:**  Students will share their findings with one another and then as a whole class discussion after the explore. Students will come to the board show how they calculated their areas.  **Elaborate:** The teacher will ask students to consider number 10 on page 142 in the WB |
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| **Evaluate and Summary:**  Homework: WB pg. 138 even | **Evaluate and Summary:**  Homework: WB pg. 138 odd | **Evaluate and Summary:**  Homework: WB pg. 140 all | **Evaluate and Summary:**  Homework: WB pg. 142 all |
| **Resources:** | ELMO, Student Workbook, computer | ELMO, Student Workbook, computer | ELMO, Student Workbook, computer | ELMO, Student Workbook |