Agendas for the Week: *February 4th – February 8th Geometry Regular – 6th Period*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
|  | **Objective(s): SWBAT**  **\*find the geometric mean between two numbers.**  **\* solve problems involving relationships between parts of a right triangle and the altitude to its hypotenuse.**  **\*use the properties of 45-45-90 and 30-60-90 triangles.**  **NGSSS:**  **MA.912.G.4.5 Apply theorems involving segments divided proportionally**  **Cognitive complexity: Moderate;**  **MA.912.G.5.3 Use special triangles to solve problems**  **Cognitive complexity: Moderate;**  **MA.91.G.5.4 Solve real-world problems involving right triangles.**  **Cognitive Complexity: High** | **Objective(s): SWBAT**  **\*find the geometric mean between two numbers.**  **\* solve problems involving relationships between parts of a right triangle and the altitude to its hypotenuse.**  **\*use the properties of 45-45-90 and 30-60-90 triangles.**  **NGSSS:**  **MA.912.G.4.5 Apply theorems involving segments divided proportionally**  **Cognitive complexity: Moderate;**  **MA.912.G.5.3 Use special triangles to solve problems**  **Cognitive complexity: Moderate;**  **MA.91.G.5.4 Solve real-world problems involving right triangles.**  **Cognitive Complexity: High** | **TEST**  Right Triangles & Trigonometry (8.1-8.4) | **Objective(s): SWBAT**  **\* solve problems involving angles of elevation and depression.**  **\* use angles of elevation d depression to find the distance between two objects.**  **NGSSS:**  **LA.1112.1.6.2 The student will listen to, read, and discuss familiar and conceptually challenging text;**  **MA.91.G.5.4 Solve real-world problems involving right triangles.**  **Cognitive Complexity: High**  **New Vocabulary:**  **Angle of elevation**  **Angle of depression** | **Objective(s): SWBAT**  **\* solve problems involving angles of elevation and depression.**  **\* use angles of elevation d depression to find the distance between two objects.**  **NGSSS:**  **LA.1112.1.6.2 The student will listen to, read, and discuss familiar and conceptually challenging text;**  **MA.91.G.5.4 Solve real-world problems involving right triangles.**  **Cognitive Complexity: High** |
| P  **L**  **A**  **N** | **Engage:**  **Show students a review video at the following cite.**  **http://www.youtube.com/watch?v=NeIm\_aSFd3I** | **Engage:**  **Have students share (with snowballs) what they are still confused about.** | **Engage**  **What’s in common? Elevation & Depression** | **Engage**  **What’s in common? Elevation & Depression** |
| **TEST REVIEW**  **The teacher will answer student questions from returned quizzes (taken 02/01/13). The teacher will answer student questions from homework (assigned 02/01/13). The teacher will assign 2 review puzzles for students to work on in class.**  **The teacher will help struggling students.** | **TEST REVIEW**  **The teacher will answer student questions from homework (assigned 02/04/13). The teacher will assign a test review for students to complete in class. (To be stamped) If time permits the test review should be explained in class.** | **Explore**  **Students will work together to begin adapted Activity 1 Angle of Elevation from the following cite.**  **http://illuminations.nctm.org/LessonDetail.aspx?id=L383**  **Explain**  **Students come to a group consensus about the answers to the two scenarios and share as a class.**  **Elaborate**  **Students attempt problem with two angles of elevation or depression. (Will be discussed further on Friday)** | **Explore**  **Students will work together to complete adapted Activity 1 Angle of Elevation from the following cite.**  **http://illuminations.nctm.org/LessonDetail.aspx?id=L383**  **Explain**  **Students come to a group consensus about the answers to the two scenarios and share as a class.**  **Elaborate**  **Students attempt problem with two angles of elevation or depression.** |
| **Evaluate and Summary:**  **Students complete an exit ticket prior to leaving.**  **Homework: WB p. 103 #9-14** | **Evaluate and Summary:**  **Students complete an exit ticket prior to leaving.**  **Homework: TB p. 573 # 1-21odd** | **Evaluate and Summary**  **Students complete an exit ticket prior to leaving.**  **Homework: WB p.103 #3-5**  **TB p. 577 #2-12 Even** | **Evaluate and Summary**  **Students complete an exit ticket prior to leaving.**  **Homework: WB p. 103 #6-8**  **TB p. 578 #14-22 Evan** |
| **Resources:** | **ELMO, Student Workbook, Student Worksheets** | **ELMO, Student Review sheet** | **SmartBoard, ELMO, Student worksheet, exit ticket** | **SmartBoard, ELMO, Student worksheet, exit ticket** |