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

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| --- | --- | --- | --- | --- | --- |
|  | **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** |