Mrs. Logan Advanced Math Week 13: November 6-10

Module 3: Two-Dimensional Geometry

Topic B: Rigid Motions and Congruence

Topic C: Applications of Congruence

| Topic C: Applications of Congruence | | | | | |
|---|--|---------------------------------|--|--|------------------------|
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| | November 6th | November 7th | November 8th | November 9th | November 10th |
| | Lesson 11: Showing Figures are | Module 3 Topic B Quiz | Lesson 12: Lines Cut by a Transversal | Lesson 13: Angle Sum of a Triangle | No |
| Lesson | Congruent | Quiz | Out by a Transversar | Sum of a mangle | |
| | , and the second | | | | School for |
| Pages | 173-193 | 97-193 | 197-214 | 215-232 | Veterans |
| | use rigid motions to show wheter two | perform rigid motions and | use rigid motions to establish facts about | explore angle | Day |
| | figures are identical. | sequences of rigid | the angles created | triangles and use | Day |
| We will | | motions of the plane. | when one line | angle measures to | |
| | | | intersects two other lines. | determine whether two lines are parallel. | |
| | | | | two intes are parallel. | |
| Bell Ringer | Make a Guess | Quiz Prep | Congruent Angles | Triangle Formation | |
| Dell Killgel | | | | | |
| Exit Ticket | Sequence and Congruency | Quiz Feedback | Angle Measures and Rigid Motions | Determining if Parallel | |
| | show figures are | apply individual and | use informal | use informal | |
| | congruent by | sequences of rigid | arguments to | arguements to verfity | |
| | describing a | motions and | establish facts about | | |
| | sequence of rigid motions that maps | determine if two figures are | the angle created when pairs of lines | interior angle measures of a | |
| | one figure onto the | congruent. | are cut by a | triangle are 180 and | |
| l will | other. | | transversal. | conclude that lines | |
| | | | | cut by a transversal are parallel when | |
| | | | | corresponding | |
| | | | | angles are | |
| | | | | congruent. | |
| | Apply Rigid Motions worksheet due for a | M3TB Quiz over Lessons 7-11. | | | |
| Reminders | grade. | Lessons 7-11. | | | |
| | | | of rotations, reflection | | |
| | | | | | |
| | 8.G.A.1.a. Lines are taken to lines, and line segments of the same length. | | | | |
| | B.G.A.1.b. Angles are taken to angles of the same measure. | | | | |
| | 8.G.A.1.c. Parallel lines are taken to parallel lines.8.G.A.2. Explain that a two-dimensional figure is congruent to another if the second can be obtained from | | | | |
| first by a sequence of rotations, reflections and translations; given two congruet figures, describe a set that exhibits the congruence between them. | | | | | |
| | | | | | • |
| State | 8.G.A.3. Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. | | | | |
| Standards 8.G.A.5Use informal arguments to establish facts about the angle sum | | | | | le of triangles, about |
| | erion for similarity of | | | | |
| | 5 5 | , | | | |

triangles.

- 8.G.B.6Explain a proof of the Pythagorean Theorem and its converse using the area of squares.
- 8.G.B.7Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.
- 8.G.B.8Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.