Name: Thompson	Grading Quarter: 1	Week Beginning: 9/9/24
School Year: 24/25	Subject: Geometry	

Monday	Notes: **Module 2-2 Continued**	Objective: SWBAT find measures of angles using complementary and supplementary angles and identify what can and cannot be assumed about angles in a diagram. Lesson Overview: Basic definitions: complementary angles, supplementary angles, perpendicular • Learn (DI) pg.78 • Example 3 pg. 79 (DI) • Check problem in groups or individual pg 80 • Pause & reflection individual • Practice & Homework pg.82 (12,14,20,22)	Academic Standards: **G.CO.1** Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc. **G.CO.12** Make formal geometric constructions with a variety of tools and methods (compass and straightedge, string, reflective devices, paper folding, etc.)

Tuesday	Notes: **Module 2-3**	Objective: SWBAT find measures of two-dimensional figures. Lesson Overview: Basic definitions: polygon, perimeter, circumference, area, equilateral polygon, equiangular polygon, regular polygon, concave, convex, geometric model • Read vocab and highlight (pg 85) • Example 1 (pg 86) direct instruction and study tip ○ Pg 87 DI contin. • Check problem (individual) pg 87 • Learn pg 88 (DI) • Example 2 (DI) pg 88 • Check (individual or groups) pg 88 • Discuss (5min) • Practice and Homework pg 91 (2,4,8)	Academic Standards: **G.GPE.7** Use coordinates to compute perimeters of polygons and areas of triangles and rectangles, e.g., using the distance formula **G.MG.1** Use geometric shapes, their measures, and their properties to describe objects.
Wednesday	Notes: **Module 2-4**	Objective: SWBAT calculate the coordinates of the vertices of transformed images given the coordinates of the preimages. Lesson Overview: Basic definitions: transformation, preimage, image, rigid motion, reflection • Read vocab and highlight (pg 95) DI • Example 1 (pg 96) direct instruction • Check (individual) 5 min pg 96 • Example 2 (groups) pg 96/97 • Learn DI (pg.97) • Example 3 (DI) pg 98 and predict problem • Check in groups (pg.99) • Practice and Homework pg 103 (2,4,6,8,10)	Academic Standards: **G.CO.2** Represent transformations in the plane using, e.g. transparencies and geometry software; describe transformations as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not.

Thursday	Notes: **Module 2-4 Continues** **Half Day PT conferences**	Objective: SWBAT calculate the coordinates of the vertices of transformed images given the coordinates of the preimages. Lesson Overview: Basic definitions: transformation, preimage, image, rigid motion, reflection, translation, rotation, line of reflection, center of rotation, translation vector, component form, angle of rotation • Read vocab and highlight (pg 99) DI • Example 4 (pg 100) direct instruction • Check (individual) 5 min pg 100 • Pause and reflect pg 100 • Practice and Homework pg 103 (11,12,18)	Academic Standards: **G.CO.2** Represent transformations in the plane using, e.g. transparencies and geometry software; describe transformations as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not.
Friday	Notes: **Module 2-4 Continued**	Objective: SWBAT calculate the coordinates of the vertices of transformed images given the coordinates of the preimages. Lesson Overview: Basic definitions: transformation, preimage, image, rigid motion, reflection, translation, rotation, line of reflection, center of rotation, translation vector, component form, angle of rotation • Learn (direct instruction) page 101 • Example 5 (pg 102) direct instruction • Check (individual) 5 min pg 12 • Pause and reflect pg 100 • Practice pg 104 (19,20)	Academic Standards: **G.CO.2** Represent transformations in the plane using, e.g. transparencies and geometry software; describe transformations as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not.