Name: Thompson	Grading Quarter:	Week Beginning: 2/10/24
School Year: 24/25	Subject: Geometry	

Monday	Notes: **8-1**	Objective: SWBAT draw and analyze dilated figures using tools or functions. Lesson Overview: • Learn dilations pg. 461 in textbook • Identify dilations • Complete pg.462 • Do dilations in coordinate plane • Practice and homework pg. 465 (1-4, 6&7)	<u>Academic Standards:</u> **G.SRT.1** Verify experimentally the properties of dilations given by a center and a scale factor. **G.CO.2** Represent transformations in the plane using transparencies and geometry software; describe transformations as functions that take points in the plane as inputs and give other points as outputs.

Tuesday	Notes: **8-2**	Objective: SWBAT solve problems using the definition of similar polygons. Lesson Overview: • Learn similar polygons pg. 469 • Complete example 1,2,3 in textbook • Practice & Homework pg. 473 (#'s 1-4, 7-10)	<u>Academic Standards:</u> **G.SRT.2** Given two figures, use the definition of similarity in terms of similarity transformations to decide is they are similar; explain using similarity transformations the meaning of similarity for triangles as the equality of all corresponding pairs of angles and the proportionality of all corresponding pairs of sides.

Wednesday	Notes: **8-3**	Objective: SWBAT use the AA, SSS, and SAS similarity criterion to solve problems and prove triangles similar. Lesson overview: • Learn AA, SS, and SAS criterion for similar triangles • Solve problems using similar triangles criterion worksheet	Academic Standards: **G.SRT.2** Given two figures, use the definition of similarity in terms of similarity transformations to decide is they are similar; explain using similarity transformations the meaning of similarity for triangles as the equality of all corresponding pairs of angles and the proportionality of all corresponding pairs of sides. **G.SRT.3** Use the properties of similarity transformations to establish the AA criterion for two triangles to be similar. **G.SRT.5** Use congruence and similarity for triangles to solve problems and to prove relationships in geometric figures.
Thursday	Notes: **8-4**	Objective: SWBAT use the AA, SSS, and SAS similarity criterion to solve problems and prove triangles similar. Lesson Overview: • Finish solving problems using triangle similarity worksheet • If time, complete dilations task cards	Academic Standards:

Friday	Notes: **No school**	NO school / district closed	Academic Standards: