

Teacher: Walczyk

Course: **Geometry**

Period(s): 2&3

Week of: Dates: 4/23/18

Unit Title: Similarity

State Standards: G.GCO.9, G.GSRT.2, G.GSRT.3, G.GSRT.4, G.GSRT.5

All plans are subject to change. Student progress will be monitored and adjustments will be made. **NOTE:CS = Chapter Section. Example CS1.2 is Chapter 1 Section 2 in the textbook.**

	Standards	Goals As a result of this lesson the student will be able to:	Instructional Plan Activities (aligned, sequenced, build, time)	Student Work (Thinking & Problem Solving, Real World)	Assessment (aligned, rubrics, >2, written)	Grouping Method	Materials	Accommodations (IEP, 504, ESOL)
Monday	G.GSRT.4 G.GSRT.5	Prove, and apply in mathematical and real-world contexts, theorems involving similarity about triangles, including: a) A line drawn parallel to one side of a triangle divides the other two sides into parts of equal proportion. b) If a line divides two sides of a triangle proportionally, then it is parallel to the third side. Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.	Review worksheets CS6.2, 6.3, 6.4 CS 6.5 – Use Proportionality Theorem	Participate in worksheet review Take notes and participate in lesson problems to reinforce concepts. <ul style="list-style-type: none">Find the length of a missing segment of a triangle using triangle proportionality.Using knowledge about proportionality, parallel lines, and transversals, calculate missing segments.Find the length of a missing side using proportionality and knowledge of angle bisectors. Complete classwork/homework	Participation in worksheet review. Questioning. Walk room during lesson to ensure proper notes are being taken. Walk room practice test to assist and answer questions as needed.	Whole class, Individual Small group	Warm up problem Notes for CS 6.5 Worksheet CS6.5	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
Tuesday	G.GSRT.5 G.GSRT.2	Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures. Use the definition of similarity to decide if figures are similar and justify decision. Demonstrate that two figures are similar by identifying a combination of translations, rotations, reflections, and dilations that various representations that move one figure onto the other.	Review worksheets CS6.5 CS 6.6 – Perform Similarity Transformations	Participate in worksheet review Take notes and participate in lesson problems to reinforce concepts. <ul style="list-style-type: none">Perform dilations – reductions and enlargements with identified scale factors.Calculate a scale factor of given dilations. Complete classwork/homework	Participation in worksheet review. Questioning. Walk room during lesson to ensure proper notes are being taken. Walk room practice test to assist and answer questions as needed.	Whole class, Individual Small group	Warm up problem Notes for CS 6.6 Worksheet CS6.6	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer

Friday	G.GSRT.4	Prove that the square of the hypotenuse of a right triangle is equal to the sum of the squares of the other two sides.	CS7.1- Apply Pythagoream Theorem	Complete warm up problems Review worksheets CS7.1 Take notes and participate in lesson problems to reinforce concepts. <ul style="list-style-type: none">Use Pythagorean Theorem to find missing side lengths of a triangle. Complete classwork/homework	Class discussion participation during warm up and worksheet review. Questioning. Walk room during lesson to ensure proper notes are being taken. Walk room practice test to assist and answer questions as needed.	Whole class, Individual Small group	Warm up problem Notes for CS7.1 Worksheet CS7.1	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
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