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.

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	Standards	Goals As a result of this lesson the student will be able to:	Instructional Plan Plan Activities (alig ned, seque nced, build , time)	Student (Thinking & Problem Solving, Real Work World)	(aligned, Assessment rubrics, >2, written)	Grouping Method	Materials	Accommodatio ns (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. • 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. • 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

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	G.GCO.9	Prove, and apply in mathematical and real-world contexts,	Ch6 test review	Actively complete chapter 6 test review problems	Performance on problems and	Individual	Chapter 6 quizzes	Applies to
		theorems about the relationships within and among triangles,		and participate in answer review	participation in answer		for practice	IEP/504/ESOL
		including the following:			review.			Priority seating
		c) The segment joining midpoints of two sides of a						Modeling, pair
		triangle is parallel to the third side and half the length.						with
	G.GSRT.2	Use the definition of similarity to decide if figures are similar and						appropriate
		justify decision. Demonstrate that two figures are similar by						peer
		identifying a combination of translations, rotations, reflections,						
		and dilations that various representations that move one figure						
lay		onto the other.						
esc	G.GSRT.3	Prove that two triangles are similar using the AA criterion and						
Wednesday		apply proportionality of corresponding sides to solve problems						
Ş.		and justify results.						
-	G.GSRT.4	Prove, and apply in mathematical and real-world contexts,						
		theorems involving similarity about triangles, including the						
		following:						
		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.						
	G.GSRT.5	Use congruence and similarity criteria for triangles to solve						
	G.GBR1.5	problems and to prove relationships in geometric figures.						
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	G GCO 9	Prove and apply in mathematical and real-world contexts	Ch6 test	Actively complete chapter 6 test	Performance on chapter 6 test	Individual	Chapter 6 test	Applies to
	G.GCO.9	Prove, and apply in mathematical and real-world contexts,	Ch6 test	Actively complete chapter 6 test	Performance on chapter 6 test	Individual	Chapter 6 test	Applies to
	G.GCO.9	theorems about the relationships within and among triangles,	Ch6 test	Actively complete chapter 6 test	Performance on chapter 6 test	Individual	Chapter 6 test	IEP/504/ESOL
	G.GCO.9	theorems about the relationships within and among triangles, including the following:	Ch6 test	Actively complete chapter 6 test	Performance on chapter 6 test	Individual	Chapter 6 test	IEP/504/ESOL Priority seating
	G.GCO.9	theorems about the relationships within and among triangles, including the following: d) The segment joining midpoints of two sides of a	Ch6 test	Actively complete chapter 6 test	Performance on chapter 6 test	Individual	Chapter 6 test	IEP/504/ESOL Priority seating Modeling, pair
		theorems about the relationships within and among triangles, including the following: d) The segment joining midpoints of two sides of a triangle is parallel to the third side and half the length.	Ch6 test	Actively complete chapter 6 test	Performance on chapter 6 test	Individual	Chapter 6 test	IEP/504/ESOL Priority seating Modeling, pair with
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	G.GSRT.4	Prove that the square of the hypotenuse of a right triangle is equal	CS7.1- Apply	Complete warm up problems	Class discussion participation	Whole class,	Warm up problem	Applies to
		to the sum of the squares of the other two sides.	Pythagoream	Review worksheets CS7.1	during warm up and	Individual	Notes for CS7.1	IEP/504/ESOL
			Theorem	Take notes and participate in lesson problems to	worksheet review.	Small group	Worksheet CS7.1	Priority seating
<u></u>				reinforce concepts.	Questioning.			Modeling, pair
da				 Use Pythagorean Theorem to find 	Walk room during lesson to			with
Ē				missing side lengths of a triangle.	ensure proper notes are being			appropriate
-				Complete classwork/homework	taken.			peer
					Walk room practice test to			
					assist and answer questions as			
					needed.			