

Unit Title: Relationships with Triangles

State Standards: G.GCO.8, G.GCO.9

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.GCO.9 G.GCO.2 G.GCO.6	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: a) Measures of interior angles of a triangle sum to 180 b) Base angles of isosceles triangles are congruent Prove two triangles are congruent by applying the SAS, ASA, AAS and HL congruence conditions. Represent translations, reflections, rotations, and dilations of objects in the plane... Demonstrate that triangles and quadrilaterals are congruent by identifying a combination of translations, rotations, and reflections in various representations that move one figure onto the other.	Ch 4 Review Chapter 4 Test		Actively complete chapter 4 test	Walk room during completion of chapter 4 test to assess progress. Performance on chapter 4 test.	Individual	Chapter 4 test Pencils calculators	Applies to IEP/504/ESOL Priority seating Retest in resource room if needed.
Tuesday	G.GCO.8	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: d) Any point on a perpendicular bisector of a line segment is equidistant from the endpoints of the segment.	Warm Up CS 5.1 – Midsegment Theorem and Coordinate Proof		Complete warm up problems Take notes and participate in lesson problems to reinforce concepts. <ul style="list-style-type: none"> Use properties of midsegments to determine segment length. Use Midsegment properties to complete proofs about triangles. Complete classwork	Class discussion participation during warm up. Walk room to ensure proper notetaking. Questioning during lesson. Assist during practice problems to assess level of understanding.	Whole class, Individual Small group	Warm up problem Notes for CS5.1 and CS4.2 Worksheet 5.1	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
Wednesday	G.GCO.8 G.GCO.9	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: d) Any point on a perpendicular bisector of a line segment is equidistant from the endpoints of the segment Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: d) The medians of a triangle meet at a point.	Warm Up CS5.1 Homework review CS 5.2 – Use Perpendicular Bisectors CS 5.3 – Use Angle Bisectors CS 5.4 – Use Medians and Altitudes		Complete warm up problems Review Homework CS5.1 Take notes and participate in lesson problems to reinforce concepts. <ul style="list-style-type: none"> Any point on a perpendicular bisector is equidistant from the endpoint The perpendicular bisectors converge at a single point. Medians of a triangle intersect at a single point. The altitudes of a triangle converge at a single point. Apply this knowledge to solve missing dimensions and complete proofs about triangles. Complete classwork	Class discussion participation during warm up. Homework review participation. Walk room to ensure proper notetaking. Questioning during lesson. Assist during practice problems to assess level of understanding	Whole class, Individual Small group	Warm up problem CS5.1 worksheet Notes for CS 5.2 – 5.4 Worksheet CS5.2-5.4	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer

Thursday	G.GCO.8	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: d) Any point on a perpendicular bisector of a line segment is equidistant from the endpoints of the segment	Warm Up CS 5.2 – Use Perpendicular Bisectors CS 5.3 – Use Angle Bisectors CS 5.4 – Use Medians and Altitudes	Complete warm up problems Complete classwork	Class discussion participation during warm up. Questioning. Walk room practice test to assist and answer questions as needed.	Whole class, Individual Small group	Warm up problem Notes for CS 5.2 – 5.4 Worksheet CS5.2-5.4	Applies to IEP/504/ESOL Priority seating Modeling, pair with appropriate peer
	G.GCO.9	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: d) The medians of a triangle meet at a point.	continued					
Friday	G.GCO.8	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: d) Any point on a perpendicular bisector of a line segment is equidistant from the endpoints of the segment	Quiz #1 and Quiz #2 – open notes	Active participation in quiz #1 and quiz #2	Walk room during class to ensure students are completing quizzes	Individual	Makeup tests, Computers	Applies to IEP/504/ESOL Priority seating Retest in resource room if needed.
	G.GCO.9	Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles, including the following: d) The medians of a triangle meet at a point.						