CP Geometry

CC State Standards

HSG-CO.C.9
HSG-CO.C.10
HSG-CO.C.11
HSG-SRT.B.4

Week of
October 23-28, 2023
CP Class Period 3

Week Overview:

Monday: Practice Day using student journal pg 48 #9-14

and Puzzletime 2.1, 2,2,   & 2.3 (Due Wednesday)

Lesson Objective(s): Students will identify postulates using diagrams.
Students will sketch and interpret diagrams.

Tuesday: Review & Notes for section 2.4 & 2.5 - see slide

Wednesday: Mini Quiz online of 2.1 and 2.2

Review & Notes for section 2.5 & 2.6 - see slide

Thursday: Practice

Friday: Practice

Chapter 2 Sections 4-6 Objectives --- look at it as a whole

Lesson Objective(s): Students will use Algebraic Properties of Equality to justify the steps in solving an equation.
Students will use the Distributive Property to justify the steps in solving an equation.
Students will use properties of equality involving segment lengths and angle measures.

Lesson Objective(s): Students will write two-column proofs.
Students will name and prove properties of congruence.
Previous Learning: Students have already written proofs as they justified the steps in showing certain things to be true in the last lesson.
New Vocabulary: proof, two-column proof, theorem

Lesson Objective(s): Students will write flowchart proofs to prove geometric relationships.
Students will write paragraph proofs to prove geometric relationships.
Previous Learning: Students learned how to write two-column proofs in the previous lesson. They will use that skill to write flowchart and paragraph proofs.
New Vocabulary: flowchart proof, flow proof, paragraph proof

Tuesday: Chapter 2 Section 4

Warmup: **Student journal pg. 49-50**

    --- look at the solution work and give reason. This is an algebraic proof

Notes: **Student journal pg. 54-55 ---- use to show GEOMETRIC proof**

    List of the properties of equality

Reflexive, Symmetric, and Transitive Properties of Equality

	Real Numbers	Segment Lengths	Angle Measures
Reflexive Property	$a = a$	$AB = AB$	$m\angle A = m\angle A$
Symmetric Property	If $a = b$, then $b = a$.	If $AB = CD$, then $CD = AB$.	If $m\angle A = m\angle B$, then $m\angle B = m\angle A$.
Transitive Property	If $a = b$ and $b = c$, then $a = c$.	If $AB = CD$ and $CD = EF$, then $AB = EF$.	If $m\angle A = m\angle B$ and $m\angle B = m\angle C$, then $m\angle A = m\angle C$.

Review: **Worksheets 2.1 and 2.2 Practice AB**

Wednesday

Warmup: 2.4 Puzzletime complete

Notes: Student Journal pg. 57-58 Complete the geometric proofs.

Notes:

- Use the concept of supplementary angles for the vertical angles theorem.
- Use teacher example slideshow for more demonstration of completion of proofs for students to take notes on.

Thursday

Warmup: Student Journal pg. 59-60 Complete the geometric proofs.

Notes:

Use the handout of matching up missing parts of a proof from the answer block.

Finish for homework.

Friday

Warmup:

Assign to place handout answers into Online 2.5 Assignment #1. THEN assign

- Online 2.5 Assignment #2 complete in class
- Packet - 2.4 Practice A # 3-13
- Packet - 2.5 Puzzletime

Next week will be a chapter 2 test but placed on 2nd nine weeks for grade.