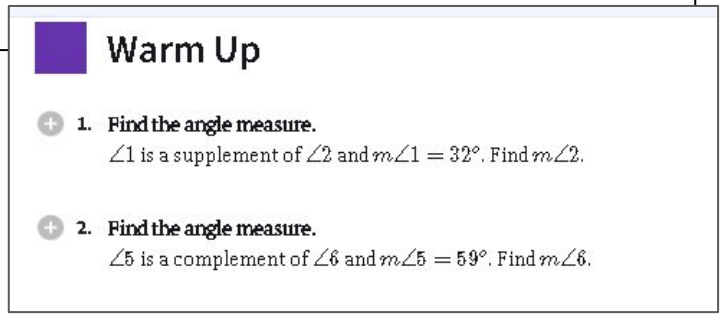
Chapter 2 Geometry

2024 - October

Week Oct 14-18, 2024 Overview



Monday No class as Teacher Inservice

Tuesday

- Warmup :
- Review last week's quiz
- Complete **PRACTICE # 1-6, 9, 12** from section 2.5 (Note: 1 student already completed so review individually with them)

Wednesday

- Use Reteaching 2.6 Handout for proving statements on segments and angles with flow charts
- Complete **PRACTICE # 17-20,22, 29,30,32,35** from section 2.6
- Complete **Practice Workbook pg 29 all**

Thursday - review for test using homework and quizzes. Then as a graded practice/take home part of the test **pg. 33-36 PW #1,2,3,5,6,7, 9, 11-14, 17, 18**

Friday - Chapter 2 TEST - see next 2 slides on objectives

Standards / Objectives for Week

Section 2.4: Algebraic Reasoning

Common Core State Standards: preparing for G.CO.C.9, preparing for G.CO.C.10, preparing for G.CO.C.11, preparing for G.SRT.B.4
Learning Target: Use properties of equality to solve problems.
Success Criteria

- Identify algebraic properties of equality.
- Use algebraic properties of equality to solve equations.
- Use properties of equality to solve for geometric measures.

Section 2.5: Proving Statements about Segments and Angles

Common Core State Standards: G.CO.C.9
Learning Target: Prove statements about segments and angles.
Success Criteria

- Explain the structure of a two-column proof.
- Write a two-column proof.
- Identify properties of congruence.

Vocabulary: proof, two-column proof, theorem

Section 2.6: Proving Geometric Relationships

Common Core State Standards: G.CO.C.9
Learning Target: Prove geometric relationships.
Success Criteria

- Prove geometric relationships by writing flowchart proofs.
- Prove geometric relationships by writing paragraph proofs.

Vocabulary: flowchart proof (or flow proof), paragraph proof

Learning targets from Chapter 2 - Midchapter (sections)

		Learning Target	Success Criteria
Chapter 2: Reasoning and Proofs			
Chapter Learning Target Understand reasoning and proofs. **Chapter Success Criteria** • I can use inductive and deductive reasoning. • I can justify steps using algebraic reasoning. • I can explain postulates using diagrams.	2.1 Conditional Statements	Understand and write conditional statements.	• I can write conditional statements. • I can write biconditional statements. • I can determine if conditional statements are true by using truth tables.
	2.2 Inductive and Deductive Reasoning	Use inductive and deductive reasoning.	• I can use inductive reasoning to make conjectures. • I can use deductive reasoning to verify conjectures. • I can distinguish between inductive and deductive reasoning.
	2.3 Postulates and Diagrams	Interpret and sketch diagrams.	• I can identify postulates represented by diagrams. • I can sketch a diagram given a verbal description. • I can interpret a diagram.

Anchor Descriptor - G.1.3.2 Write formal proofs and/or use logic statements to construct or validate arguments.