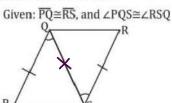
Geometry CC - Mr. Valentino Unit 7 Lesson 3: Proofs Review



Name: _____ Period: ___ Date:

Aim: Lets Review Proofs! Do Now: Fill in the blanks:

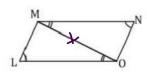


Prove: ΔPQS≅ΔRSQ

Given: P	Q=no,	anu Zr	Q3=∠N. 7R
/	9	/	
1	*	1	
/	/	/	
P		$\nabla_{\!S}$	

Statements	Reasons
1. PQ=RS	1. Given
2. LPQS = CRSQ	2. Given
 QS≅QS 	3. Reflexive Prop
4. ΔPQS≅ΔRSQ	4. SAS ~ CA C

Given: ∠L≅∠N, ∠LOM≅∠NMO



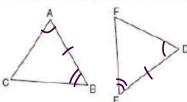
Prove: △LMO≅△NOM

Statements	Reasons
1.女にまない	1. Given
2. KLOM = > NA	2. Given
3. MD = MO 10	3. Reflexive Property
4. ΔLMO≅ΔNOM	4. AAS = AAS

Helpful Tips: Before you begin your proof...

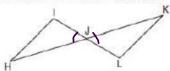
1. Mark your diagram with all the given information

In the diagram of $\triangle ABC$ and $\triangle DEF$ below, $\overline{AB} \cong \overline{DB}$, $\angle A \cong \angle D$, and $\angle B \cong \angle E$.



2. Look for any hidden facts

In the accompanying diagram, \overline{HK} bisects \overline{LL} and $\angle H \cong \angle K$.

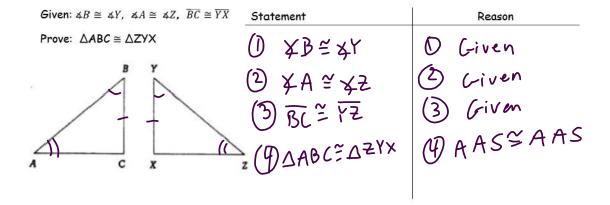


3. Identify the method you will use to prove the triangles congruent

Remember to look for ONLY these combinations for congruent triangles: SAS, ASA, SSS, AAS, and HL (right triangle)

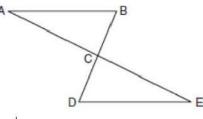
4. Know your definitions and use them to determine missing facts

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Given: C is the midpoint of BD and AE

Prove: $\triangle ABC \cong \triangle EDC$

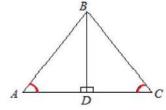


	D
Statement	Reason

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Given: ∠ADB and ∠CDB are right angles

 $\angle A \cong \angle C$ Prove: $\triangle ADB \cong \triangle CDB$



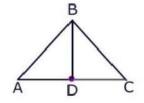
Statement

Reason

Given: $\overline{AB} \cong \overline{CB}$, \overline{BD} is a median of \overline{AC}

Statement

Prove: $\triangle ABD \cong \triangle CBD$



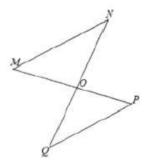
Reason

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Given: \overline{MP} and \overline{NQ} bisect

each other at O.

Prove: $\Delta MNO \cong \Delta PQO$



Statement Reason

Given: $\overline{AB} \cong \overline{CB}$,

DB bisects ZABC.

Prove: $\triangle ABD \cong \triangle CBD$

Statement

D Reason