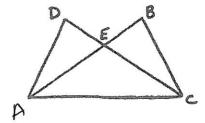
Triangle Congruence Test Review

- 1. In your own words, explain the Triangle Sum Theorem. Then, prove the Triangle Sum Theorem.
- 2. In your own words, explain the Triangle Inequality Theorem.
- 3. Given a scalene triangle, what is the relationship between the interior angles and the lengths of the sides of the triangle?
- 4. Name the triangle congruence postulates/theorem (shortcuts) we use to prove triangles are congruent.
 - *What is the only situation where we can use SSA postulate? What do we call this postulate?
- 5. Prove the following:

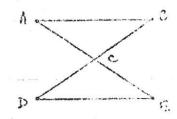
GIVEN: LBAC & LDCA

PROVE: DADE & DUBE



C IS MIDE TO DB

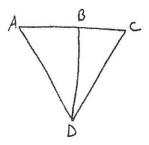
PRIOVE: A ABC & A EDC



) Given: BD bisects LADC
BD LAG

Prove :

AD = CD



Name Date Pu Pu	Pd	Date	Name
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2.

Given: $\overline{AC} \perp \overline{CB}$

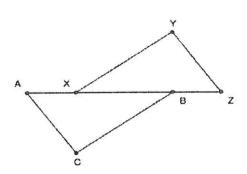
 $\overline{XY} \perp \overline{YZ}$

 $\overline{AC}\cong \overline{YZ}$

 $\overline{AX} \cong \overline{BZ}$

Prove:

 $\overline{CB}\cong \overline{XY}$



4. Given:

GF L AE EG = DG

 $\overline{GC} \perp \overline{BD}$

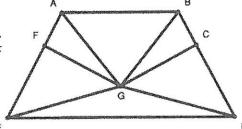
∠GAB≅∠GBA AG = BG

∠GED ≅ ∠GDE

 $\overline{EF} \cong \overline{DC}$

Prove:

 $\Delta AFG \cong \Delta BCG$



Given:

 $\overline{BD}\cong \overline{DF}$

 $\overline{CD} \cong \overline{DE}$

Prove:

BE = FC BUCKE

