

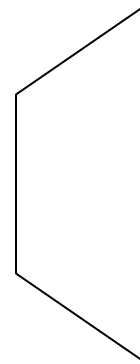
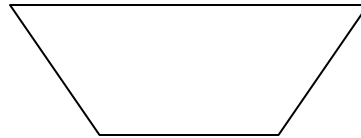


- *15 questions
- *Calculators allowed
- *Show all work/steps- use separate paper
- *Recommend time frame 30min -45min

Provide complete explanations in your responses.

Congruent Figures

1. _____ parts of congruent figures are congruent.
2. If two sides of a triangle are congruent, what you can say about the angles opposite those sides?
3. How would you explain the concept of congruency to a friend?
4. The figures below are congruent. Determine the corresponding parts.

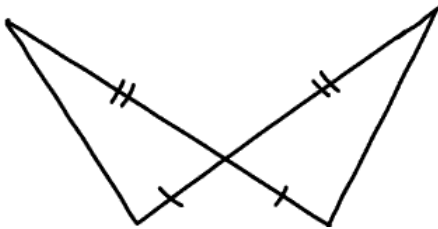


Proving Congruent Triangles

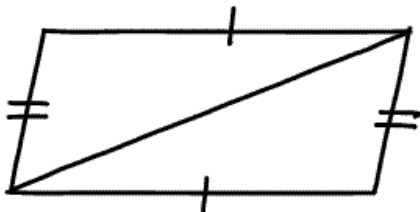
5. Explain the SSS Postulate
6. Explain the SAS Postulate
7. Explain the ASA Postulate
8. Explain the AAS Theorem
9. Explain the HL Theorem

(Questions 10 – 14): Determine if the two triangles can be proved congruent. If so, name the postulate or theorem that will justify your conclusion.

10.



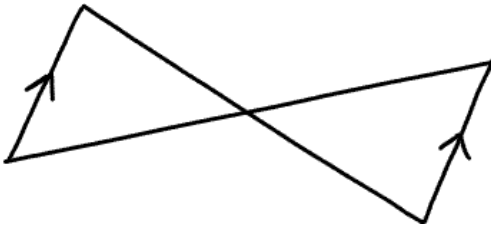
11.



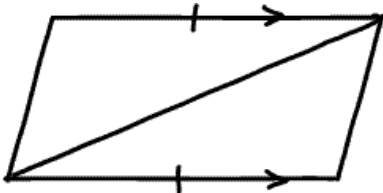
12.



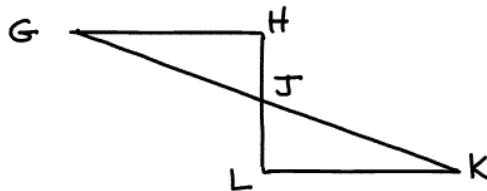
13.



14.



15.



Given: $\overline{GH} \perp \overline{HL}$, $\overline{LK} \perp \overline{HL}$,

J is the midpoint of \overline{HL}

Prove: $\triangle GHJ \cong \triangle KLJ$