Date_____

Name _____ Triangles – Part 1

Triangle Congruence – SSS and SAS – Part 1 Independent Practice

1. If $\Delta GTR \cong \Delta NAO$, then finish the following congruence statements and mark the corresponding congruent sides and the corresponding congruent angles.



2. Name two triangles that are congruent by ASA.



3. Name two triangles that are congruent by AAS.





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4. Complete the congruence statements for the triangles below.



- 5. Circle the words in the highlighted fields that complete the sentence.
 - Part A: If two angles | sides and the included angle of one triangle are similar | congruent to two sides and the included angle of a second triangle, then the two triangles are congruent by the SSS | SAS | AAS | ASA congruence postulate.
 - Part B: If at least two | three sides of one triangle are congruent to three sides of a second triangle, then the two triangles are congruent by the SSS | SAS | AAS | AAS | ASA congruence postulate.
- 6. Consider the figure of the kite below.



Part A: What information is needed to prove that the triangles above are congruent using the SSS Congruence Postulate?

Part B: What information is needed to prove that the triangles above are congruent using the SAS Congruence Postulate?



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