Name $\qquad$
$\qquad$

## Triangles - Part 1 <br> Triangle Congruence - SSS and SAS - Part 1 Independent Practice

1. If $\triangle G T R \cong \triangle N A O$, then finish the following congruence statements and mark the corresponding congruent sides and the corresponding congruent angles.
$\angle A \cong$
$\qquad$
$\qquad$ $\cong \angle R$
$\angle G \cong$ $\qquad$

$$
\overline{N O} \cong
$$

$\qquad$
$\qquad$

$$
\cong \overline{G T}
$$

$$
\overline{R T} \cong
$$

$\qquad$

2. Name two triangles that are congruent by ASA.

3. Name two triangles that are congruent by AAS.

4. Complete the congruence statements for the triangles below.
$\Delta G R L \cong \Delta$ $\qquad$
$\angle N \cong \angle$
$\overline{G L} \cong$ $\qquad$
$\angle R+\angle N \cong \angle$ $\qquad$ $+\angle$ $\qquad$

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 | 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?

