Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_

Mr. Kaufman Geometry

**Triangle Congruence Summary**

1. Which condition does *not* prove that two triangles are congruent?

|  |  |
| --- | --- |
| 1) |  |
| 2) |  |
| 3) |  |
| 4) |  |

2. Which statements could be used to prove that  and  are congruent?

|  |  |
| --- | --- |
| 1) |  |
| 2) |  |
| 3) |  |
| 4) |  |

3. In the accompanying diagram of triangles *BAT* and *FLU*,  and .



Which statement is needed to prove ?

|  |  |
| --- | --- |
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|  |  |

4. Explain in your own words why SSA and AAA do not work as congruence shortcuts.

5. In the diagram of  and  below, , , and .



Which method can be used to prove ?

|  |  |
| --- | --- |
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|  |  |
|  |  |
|  |  |

 6. As shown in the diagram below,  bisects  and .



Which method could be used to prove ?

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