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 **1)**  In the diagram of  and  below, , , and .

Which method can be used to prove ?

|  |  |
| --- | --- |
| 1) | SSS |
| 2) | SAS |
| 3) | ASA |
| 4) | HL |



 **2)** As shown in the diagram below,  bisects  and .

Which method could be used to prove ?

|  |  |
| --- | --- |
| 1) | SSS |
| 2) | AAA |
| 3) | SAS |
| 4) | AAS |



 **3)** In the diagram below of  and , , and .

To prove that  and  are congruent by SAS, what other information is needed?

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



 **4)** The diagonal  is drawn in parallelogram *ABCD*. Which method can *not* be used to prove that ?

|  |  |
| --- | --- |
| 1) | SSS |
| 2) | SAS |
| 3) | SSA |
| 4) | ASA |

 **5)** Which statements could be used to prove that  and  are congruent?

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

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

Which statement is needed to prove ?

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



 **7)**  In the diagram below, .



Which statement must be true?

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

**8)** The diagram below shows a pair of congruent triangles, with  and .

Which statement must be true?

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



 **9)** If , which statement is always true?

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

 **10)** In the diagram below, .

Which two statements identify corresponding congruent parts for these triangles?

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

