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

**Congruent Triangle Proofs Day 2**

**1.**

****

**2. Given: , , **

 ****

****

**3. Given:  , , **

****

****

**4. Given:  , , **

****

****

**5. Given: , , , **

****

**6. Given: B is the midpoint of ,  bisects , **

**Prove:** 



**7.** In the accompanying diagram,  bisects  and .



What is the most direct method of proof that could be used to prove ?

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

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



Which statement is needed to prove ?

|  |  |
| --- | --- |
| 1) |  |
| 2) |  |
| 3) |  |
| 4) | None of the above  |

**9.** In the diagram below, .



Which statement must be true?

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

**10.** Given: ∆*BAC* and ∆*EDF*, 



 Which additional piece of information is *not* sufficient to prove ?

 (1)  and  (3)  and 

 (2)  and  (4)  and 