Bellwork #56 **H. Geometry** Date:

Directions, for each of the following pairs of congruent triangles, write a congruence statement.

|  |  |
| --- | --- |
| 1. | 2. |
| Congruence Statement: | Congruence Statement: |

Given that  and ,  and 

|  |
| --- |
| 3. Draw a picture of the two triangles, including the information given. |
| 4. Write and solve an equation to find x. |
| 5. List the corresponding angles and sides: |
| 6. Find the following angle measures, explain or show work below the angle measure. |

* more on the back ☺

Determine whether the following triangles are congruent by marking any additional known sides or angles.

* If they are congruent, state which theorem or postulate allows you to state they are congruent.
* If they are not congruent, explain why they are not congruent.

|  |  |
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| 7. | 8. |
| 9. | 10. |