**H. Geometry - Bellwork #49 Date: \_\_\_\_\_\_\_\_\_\_**

1.

**Given:** , 

|  |  |
| --- | --- |
| **Statements** | **Justifications** |
|  |  |
|  |  |
|  | Definition of perpendicular |
|  |  |
|  |  |
|  |  |

**Prove:** 



2.

|  |  |
| --- | --- |
| **Statements** | **Justifications** |
|  |  |
|  |  |
|  | Alternate Interior angles |
|  |  |
|  |  |

**Given:** , 

**Prove:** 



3.

**Given:**  bisects , 

|  |  |
| --- | --- |
| **Statements** | **Justifications** |
|  bisects  |  |
|  | Definition of bisector |
|  |  |
|  | Reflexive Property |
|  |  |

**Prove:** 



4. Draw  by each theorem or postulate. Mark congruent angles or sides correctly.

|  |  |  |  |
| --- | --- | --- | --- |
| **SSS** | **SAS** | **ASA** | **AAS** |
|  |  |  |  |