**Hypotenuse Leg (HL)**

|  |  |
| --- | --- |
| **Statement** | **Reason** |
| 1.  | 1.  |
| 2.  | 2. |
| 3. $∆PRS and ∆RPQ$ are right triangles | 3.  |
| 4.  | 4. Reflexive Property |
| 5. $∆PRS≅∆RPQ$ | 5.  |

**Example 1:**

Given: $∠PRS and ∠RPQ $are

 right angles.

 $\overline{SP}≅\overline{QR}$

Prove: $∆PRS≅∆RPQ$

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**Corresponding Parts of Congruent Triangles are Congruent (CPCTC)**

|  |  |
| --- | --- |
| **Statement** | **Reason** |
|  | 1. |
| 1.
 | 2. |
|  | 3.  |
|  | 4. SSS  |
|  | 5. |

 **Example 2:**

Given:  ****

Prove: 



|  |  |
| --- | --- |
| **Statement** | **Reason** |
| 1. $ $ | 1.  |
| 2.  | 2.  |
| 3.  | 3.  |
| 4. $ $ | 4. Right angles are congruent |
| 5.  | 5.  |
|  | 6.  |

**Example 3:**

Given:  ****

  andare

 both right angles.

Prove: 

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