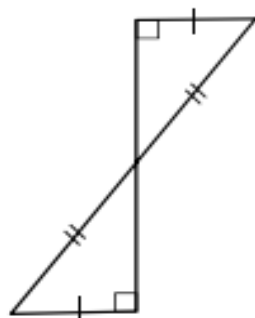

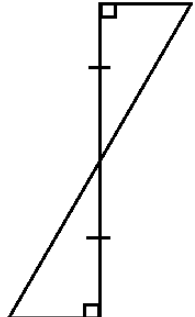
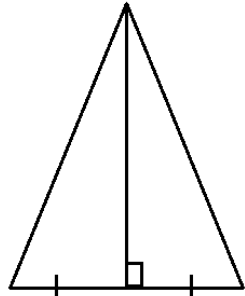
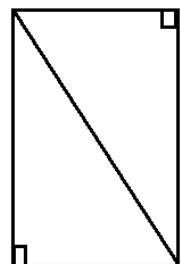
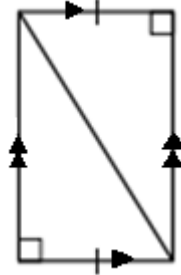
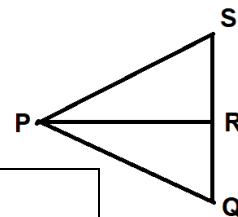


LABEL DIAGRAMS! State whether triangles are congruent by SSS, SAS, ASA, AAS, HL or not congruent.

<p>1. </p> <p>CHECK ALL that apply:</p> <p><input type="checkbox"/> SSS <input type="checkbox"/> SAS <input type="checkbox"/> ASA <input type="checkbox"/> AAS <input type="checkbox"/> HL <input type="checkbox"/> Not \cong</p>	<p>2. </p> <p>CHECK ALL that apply:</p> <p><input type="checkbox"/> SSS <input type="checkbox"/> SAS <input type="checkbox"/> ASA <input type="checkbox"/> AAS <input type="checkbox"/> HL <input type="checkbox"/> Not \cong</p>
<p>3. </p> <p>CHECK ALL that apply:</p> <p><input type="checkbox"/> SSS <input type="checkbox"/> SAS <input type="checkbox"/> ASA <input type="checkbox"/> AAS <input type="checkbox"/> HL <input type="checkbox"/> Not \cong</p>	<p>4. </p> <p>CHECK ALL that apply:</p> <p><input type="checkbox"/> SSS <input type="checkbox"/> SAS <input type="checkbox"/> ASA <input type="checkbox"/> AAS <input type="checkbox"/> HL <input type="checkbox"/> Not \cong</p>
<p>5. </p> <p>CHECK ALL that apply:</p> <p><input type="checkbox"/> SSS <input type="checkbox"/> SAS <input type="checkbox"/> ASA <input type="checkbox"/> AAS <input type="checkbox"/> HL <input type="checkbox"/> Not \cong</p>	<p>6. </p> <p>CHECK ALL that apply:</p> <p><input type="checkbox"/> SSS <input type="checkbox"/> SAS <input type="checkbox"/> ASA <input type="checkbox"/> AAS <input type="checkbox"/> HL <input type="checkbox"/> Not \cong</p>

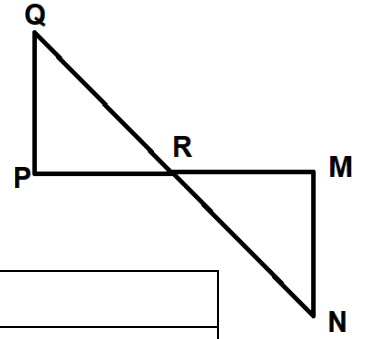
Complete the proofs. LABEL YOUR DIAGRAMS!

1. **Given:** $\angle PRS$ and $\angle PRQ$ are right angles, $\overline{PQ} \cong \overline{PS}$
Prove: $\overline{QR} \cong \overline{SR}$



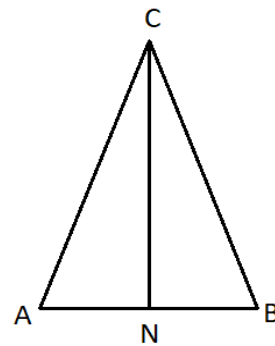
Statements	Reasons
1. $\angle PRS$ and $\angle PRQ$ are right angles	
2. $\angle PRS \cong \angle PRQ$	
3. $\overline{PQ} \cong \overline{PS}$	
4. $\overline{PR} \cong \overline{PR}$	
5. $\triangle PRQ \cong \triangle PRS$	
6. $\overline{QR} \cong \overline{SR}$	

2. **Given:** $\angle P$ and $\angle M$ are right angles, R is the midpoint of \overline{PM} and \overline{QN}
Prove: $\triangle PQR \cong \triangle MNR$



Statements	Reasons
1. $\angle P$ and $\angle M$ are right angles	1.
2. $\angle P \cong \angle M$	2.
3. R is the midpoint of \overline{PM} and \overline{QN}	3.
4. $\overline{PR} \cong \overline{MR}$	4.
5. $\overline{QR} \cong \overline{NR}$	5.
6. $\triangle PQR \cong \triangle MNR$	6.

7. **Given:** $\overline{CN} \perp \overline{AB}$, \overline{CN} bisects $\angle ACB$
Prove: $\overline{AC} \cong \overline{BC}$



1. $\overline{CN} \perp \overline{AB}$	1.
2. $\angle ANC$ & $\angle BNC$ are right angles	2.
3. $\angle ANC \cong \angle BNC$	3.
4. \overline{CN} bisects $\angle ACB$	4.
5. $\angle ACN \cong \angle BCN$	5.
6. $\overline{NC} \cong \overline{NC}$	6.
7. $\triangle ANC \cong \triangle BNC$	7.
8. $\overline{AC} \cong \overline{BC}$	8.