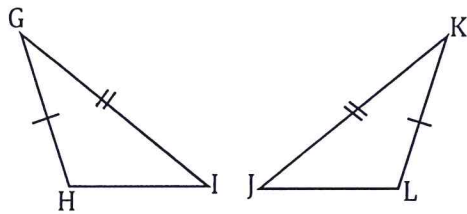


Fill in the missing information in each proof.

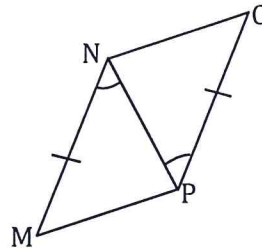
4. Given: $\overline{GH} \cong \overline{KL}$, $\angle G \cong \angle K$, and $\overline{GI} \cong \overline{KI}$



Prove: $\overline{HI} \cong \overline{LI}$

Statements	Reasons
1. $\overline{GH} \cong \overline{KL}$	1. Given
2. $\angle G \cong \angle K$	2. Given
3. $\overline{GI} \cong \overline{KI}$	3. GIVEN
4. $\triangle GHI \cong \triangle KLI$	4. SAS
5. $\overline{HI} \cong \overline{LI}$	5. CPCTC

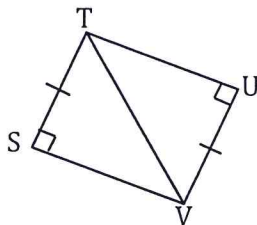
5. Given: $\angle MNP \cong \angle OPN$, and $\overline{MN} \cong \overline{OP}$



Prove: $\overline{MP} \cong \overline{NO}$

Statements	Reasons
1. $\angle MNP \cong \angle OPN$	1. Given
2. $\overline{MN} \cong \overline{OP}$	2. GIVEN
3. $\overline{NP} \cong \overline{NP}$	3. REFLEXIVE PROP.
4. $\triangle MNP \cong \triangle OPN$	4. SAS
5. $\overline{MP} \cong \overline{NO}$	5. CPCTC

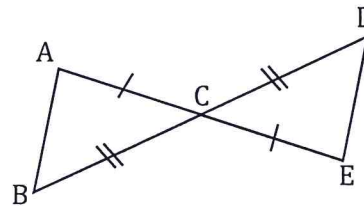
6. Given: $\overline{ST} \cong \overline{VU}$



Prove: $\angle SVT \cong \angle UTV$

Statements	Reasons
1. $\overline{ST} \cong \overline{VU}$	1. Given
2. $\overline{TV} \cong \overline{TV}$	2. Reflexive Property
3. $\triangle STV \cong \triangle UVW$	3. HL
4. $\angle SVT \cong \angle UTV$	4. CPCTC

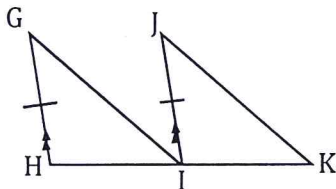
7. Given: $\overline{AC} \cong \overline{CE}$, $\overline{DC} \cong \overline{BC}$



Prove: $\angle B \cong \angle D$

Statements	Reasons
1. $\overline{AC} \cong \overline{CE}$	1. GIVEN
2. $\overline{DC} \cong \overline{BC}$	2. Given
3. $\angle ACB \cong \angle DCE$	3. VERTICAL $\angle$ s $\cong$
4. $\triangle ABC \cong \triangle DEC$	4. SAS
5. $\angle B \cong \angle D$	5. CPCTC

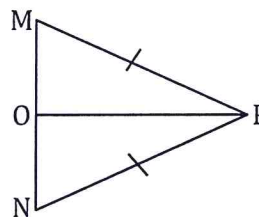
8. Given: $\overline{GH} \parallel \overline{JI}$, I is the midpoint of $\overline{HK}$ and $\overline{GH} \cong \overline{JI}$



Prove: $\angle G \cong \angle J$

Statements	Reasons
1. $\overline{GH} \parallel \overline{JI}$	1. GIVEN
2. I is the midpoint of $\overline{HK}$	2. GIVEN
3. $\overline{GH} \cong \overline{JI}$	3. Given
4. $\overline{HI} \cong \overline{IK}$	4. DEF. MIDPOINT
5. $\angle GHI \cong \angle JIK$	5. Corresponding
6. $\triangle GHI \cong \triangle JIK$	6. SAS
7. $\angle G \cong \angle J$	7. CPCTC

9. Given: $\overline{MP} \cong \overline{NP}$, $\overline{MN} \perp \overline{OP}$



Prove: $\overline{MO} \cong \overline{NO}$

Statements	Reasons
1. $\overline{MP} \cong \overline{NP}$	1. Given
2. $\overline{MN} \perp \overline{OP}$	2. GIVEN
3. $\overline{OP} \cong \overline{OP}$	3. REFLEXIVE PROP
4. $\triangle MOP \cong \triangle NOP$	4. HL
5. $\overline{MO} \cong \overline{NO}$	5. CPCTC