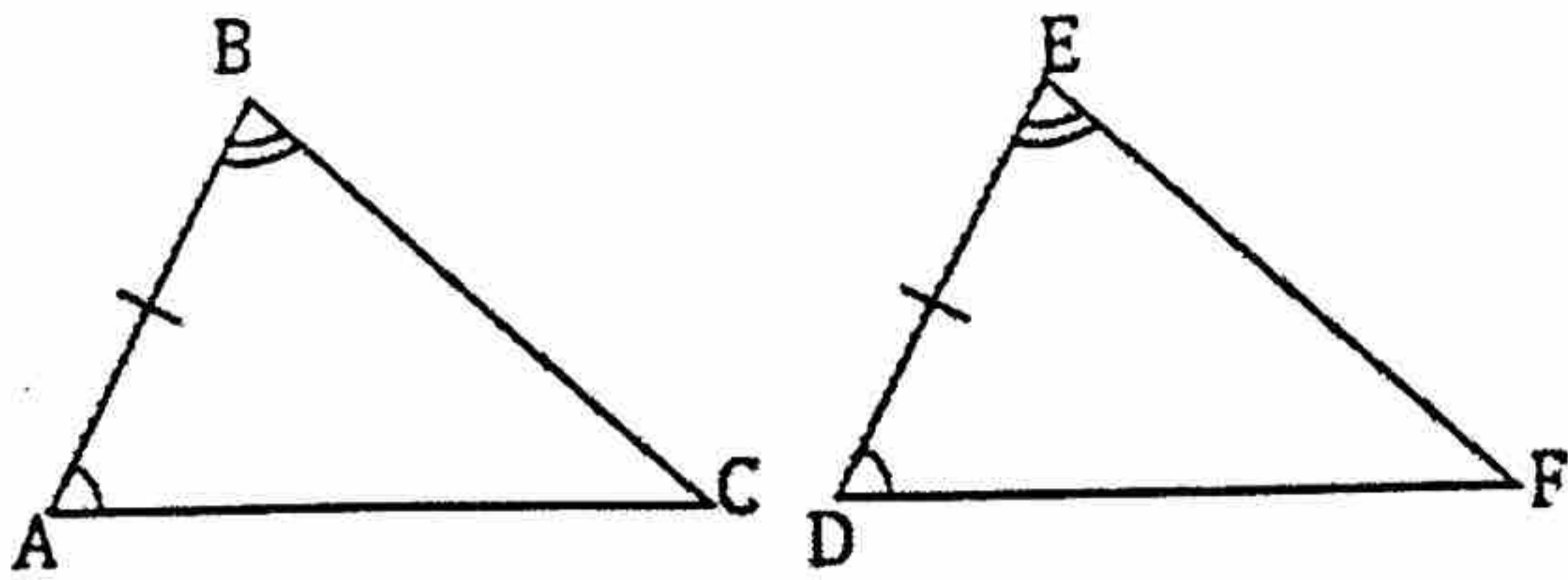


More Practice with Proofs

Fill in any missing statements or reasons.

1.

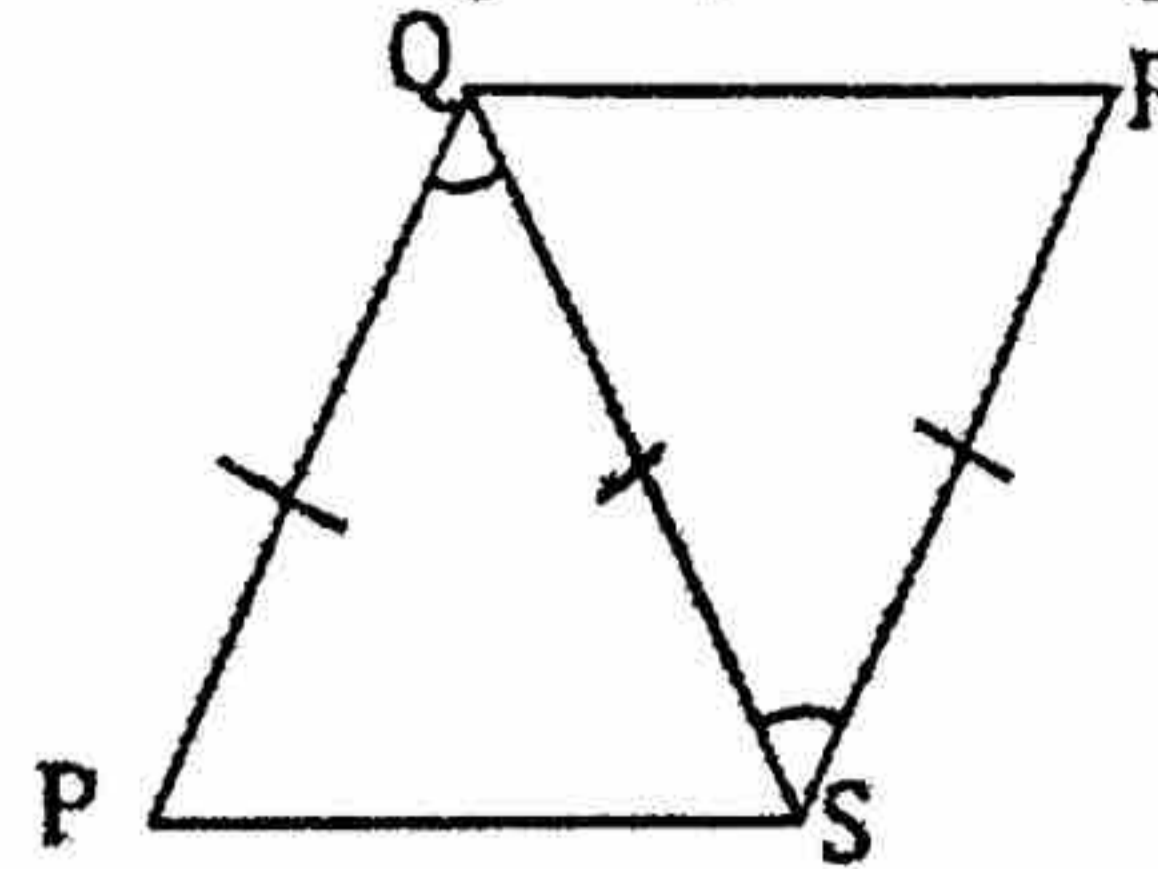
Given:  $\overline{AB} \cong \overline{DE}$ ,  $\angle B \cong \angle E$ , and  $\angle A \cong \angle D$



Prove:  $\triangle ABC \cong \triangle DEF$

Statements	Reasons
1. $\overline{AB} \cong \overline{DE}$	1. Given
2.	2. Given
3. $\angle A \cong \angle D$	3.
4. $\triangle ABC \cong \triangle DEF$	4.

2. Given:  $\overline{PQ} \cong \overline{RS}$ , and  $\angle PQS \cong \angle RSQ$

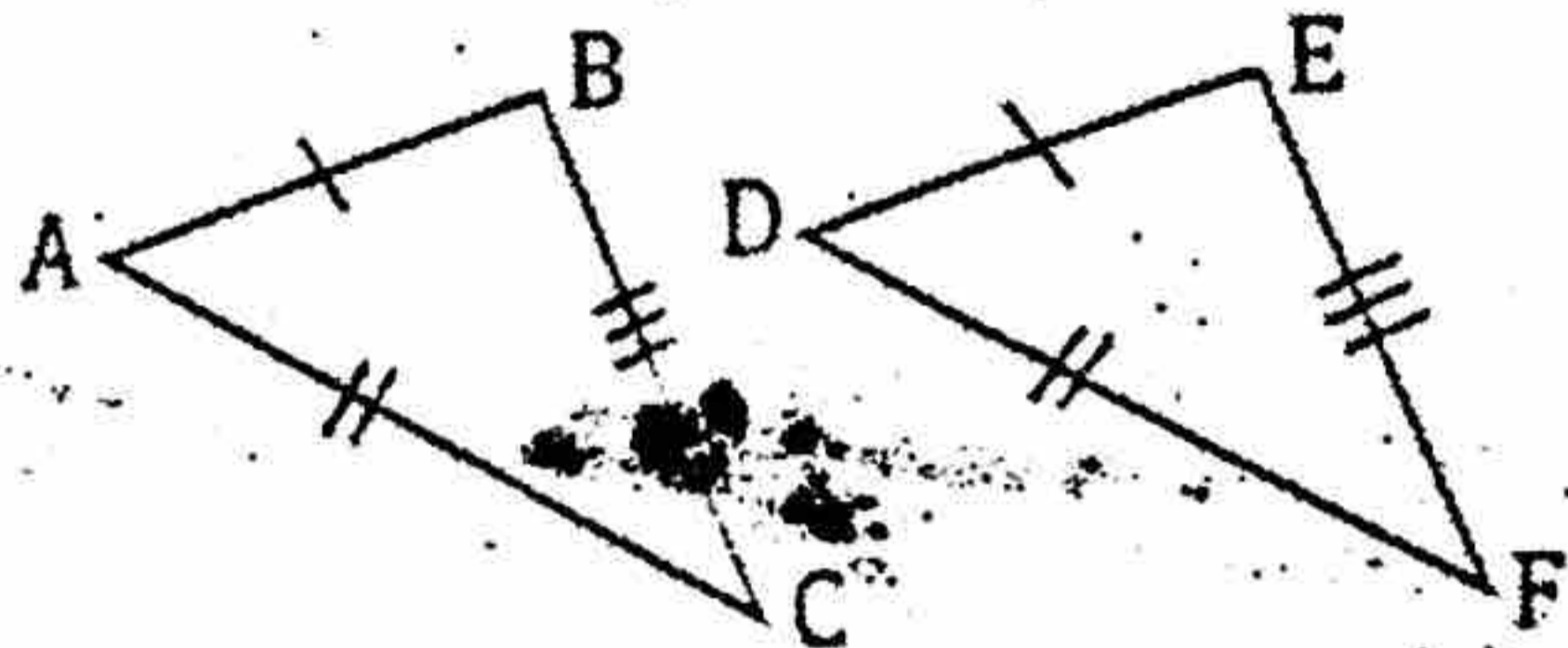


Prove:  $\triangle PQS \cong \triangle RSQ$

Statements	Reasons
1.	1. Given
2.	2. Given
3. $\overline{QS} \cong \overline{QS}$	3.
4. $\triangle PQS \cong \triangle RSQ$	4.

3.

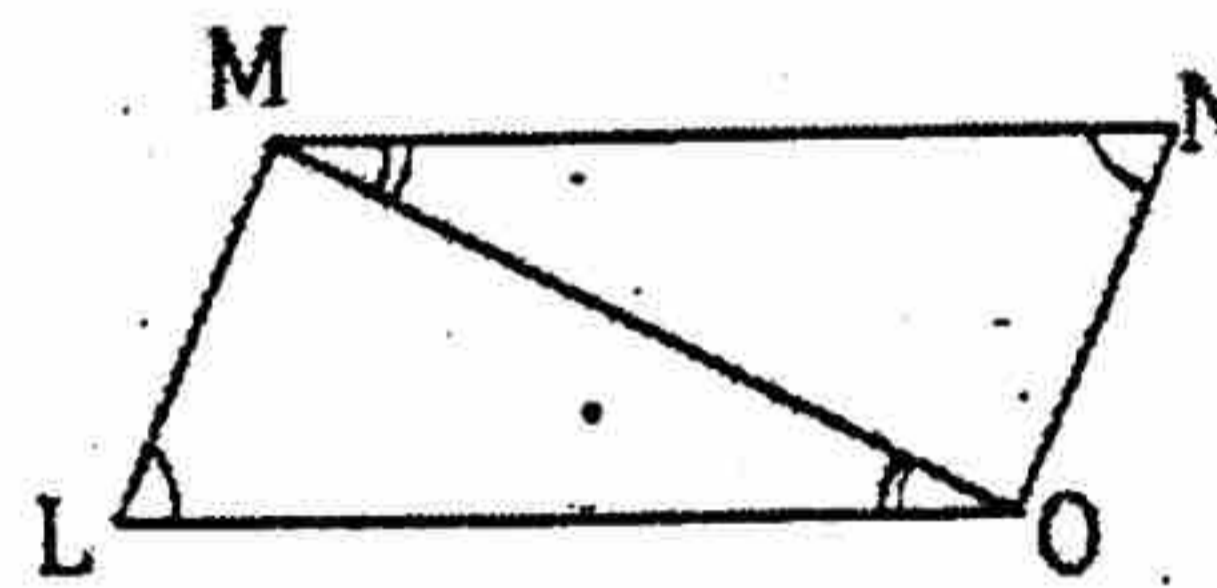
Given:  $\overline{AB} \cong \overline{DE}$ ,  $\overline{AC} \cong \overline{DF}$ , and  $\overline{BC} \cong \overline{EF}$



Prove:  $\triangle ABC \cong \triangle DEF$

Statements	Reasons
1. $\overline{AB} \cong \overline{DE}$	1.
2.	2.
3.	3.
4.	4. SSS

4. Given:  $\angle L \cong \angle N$ ,  $\angle LOM \cong \angle NMO$

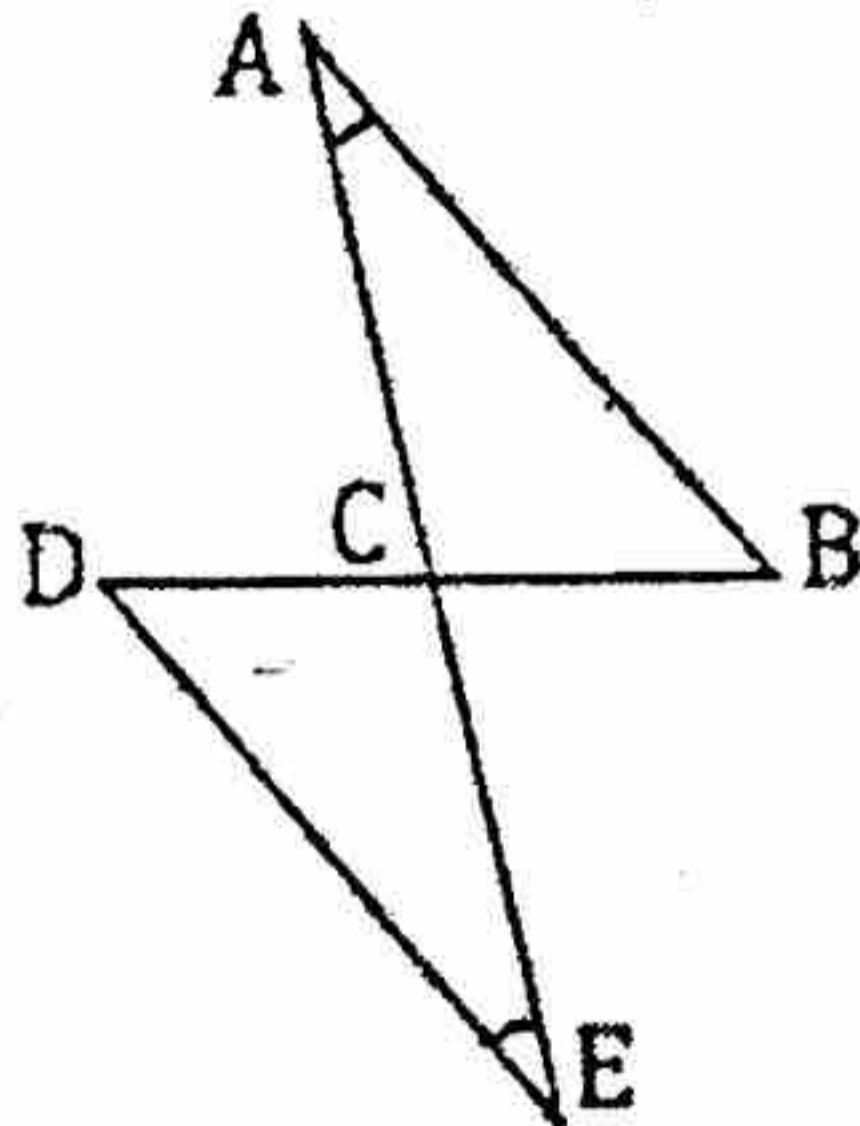


Prove:  $\triangle LMO \cong \triangle NMO$

Statements	Reasons
1.	1.
2.	2. Given
3.	3. Reflexive Property
4. $\triangle LMO \cong \triangle NMO$	4.

5.

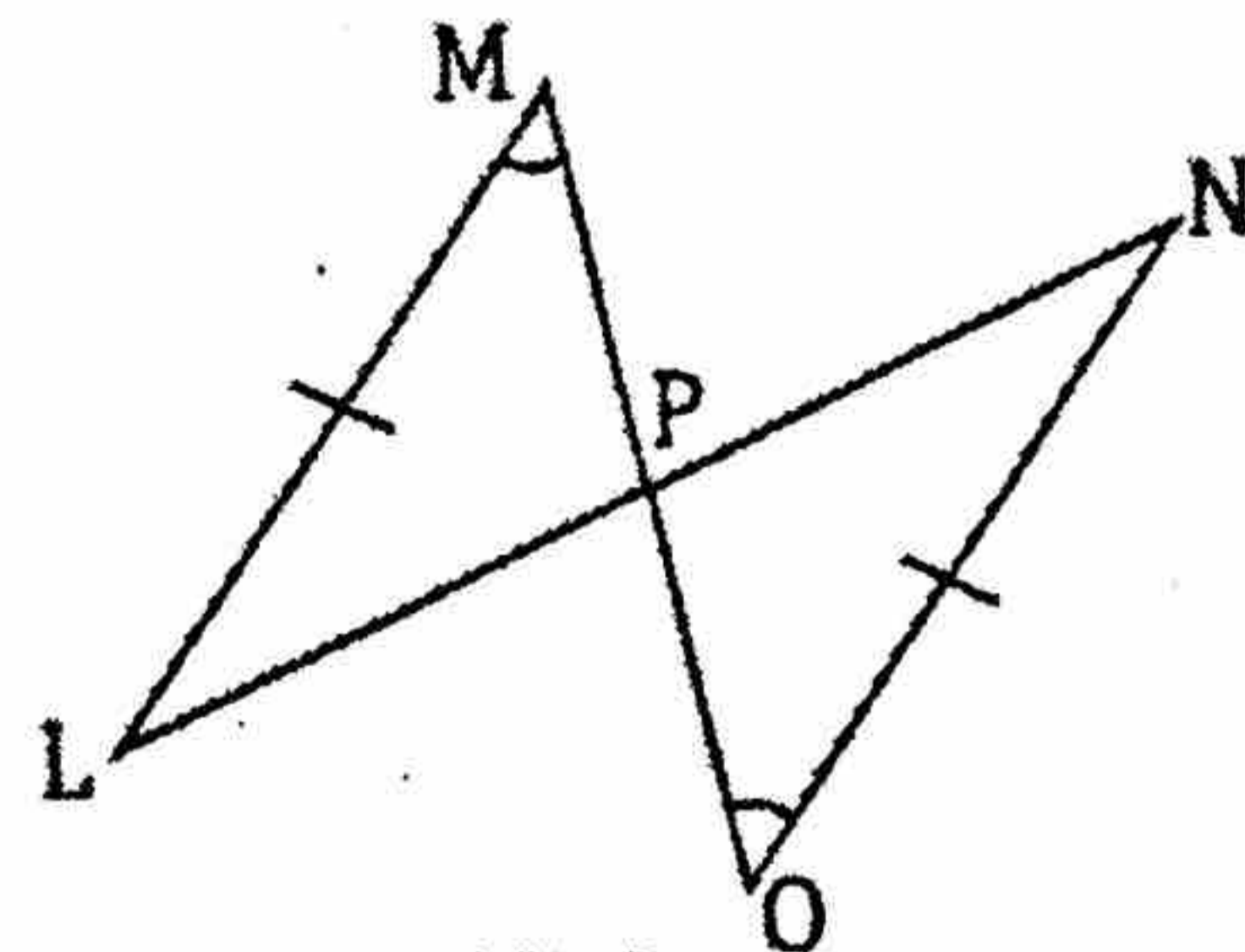
Given:  $\overline{AE}$  bisects  $\overline{BD}$ ,  $\angle A \cong \angle E$



Prove:  $\triangle ABC \cong \triangle EDC$

Statements	Reasons
1. $\angle A \cong \angle E$	1.
2.	2. Given
3.	3. Definition of Bisect
4. $\angle ACB \cong \angle DCE$	4.
5. $\triangle ABC \cong \triangle EDC$	5.

7. Given:  $\overline{LM} \cong \overline{NO}$ , and  $\angle M \cong \angle O$

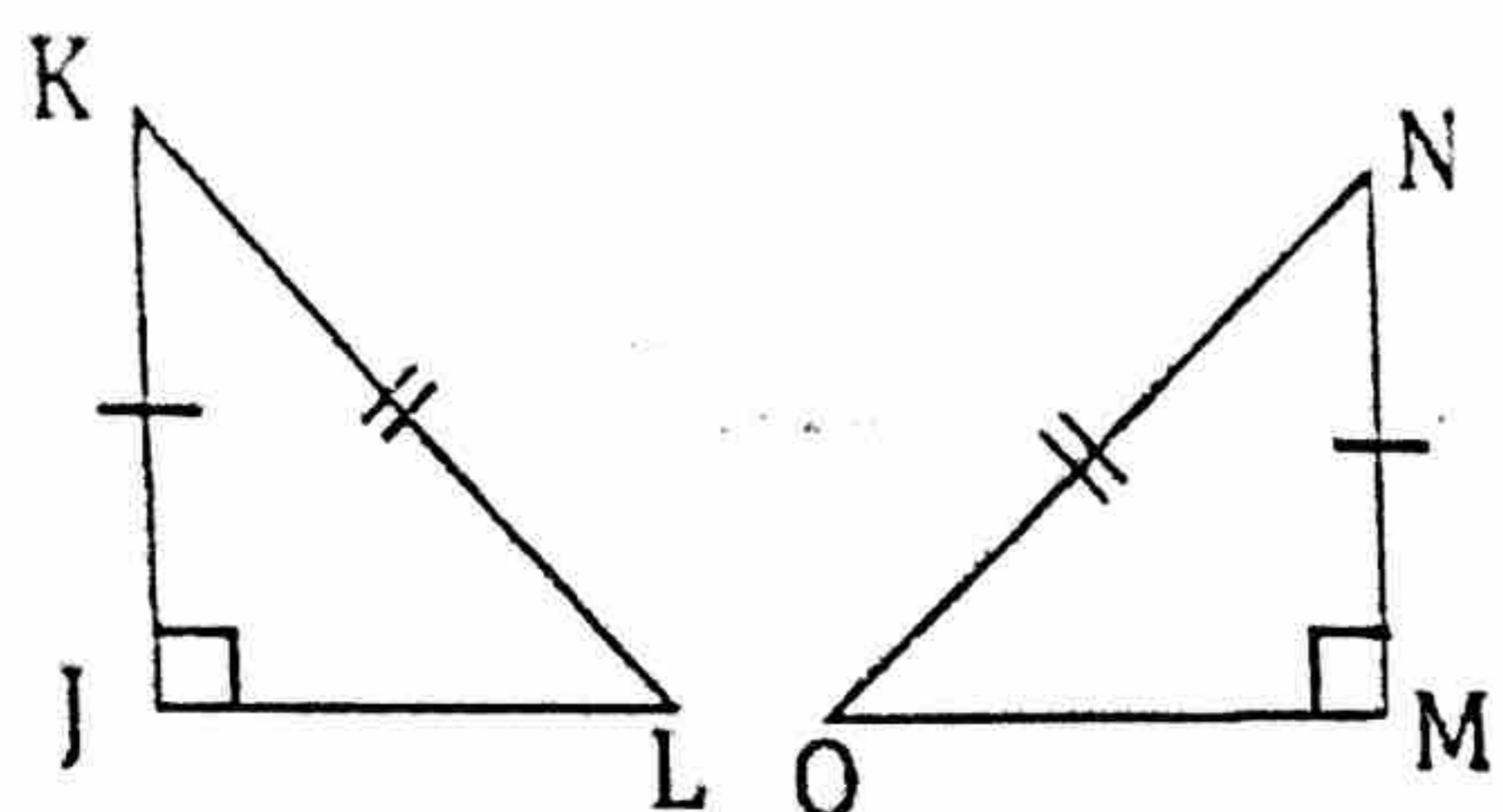


Prove:  $\triangle MPL \cong \triangle NPO$

Statements	Reasons
1. $\overline{LM} \cong \overline{NO}$	1.
2.	2. Given
3.	3.
4.	4. AAS

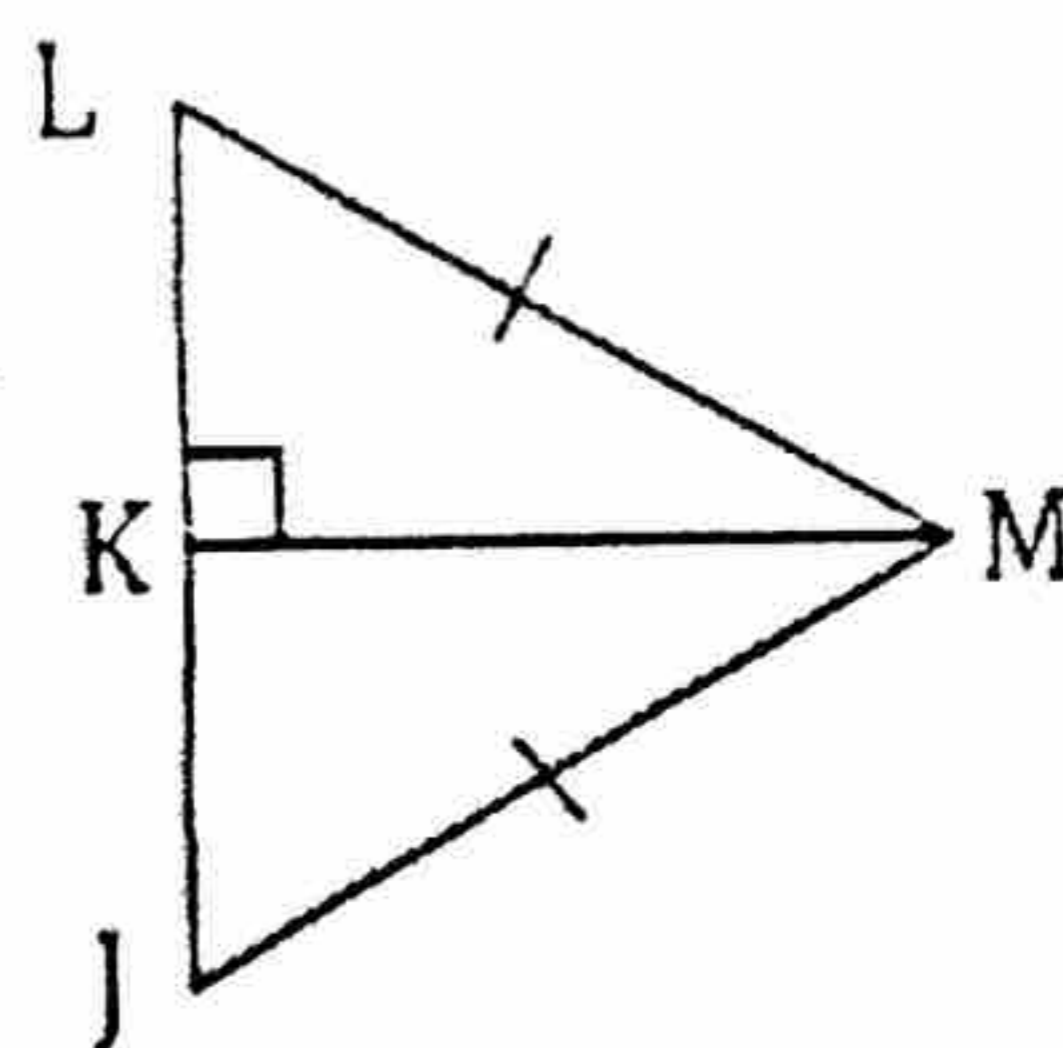


Given:  $JK \cong MN, KL \cong NO$



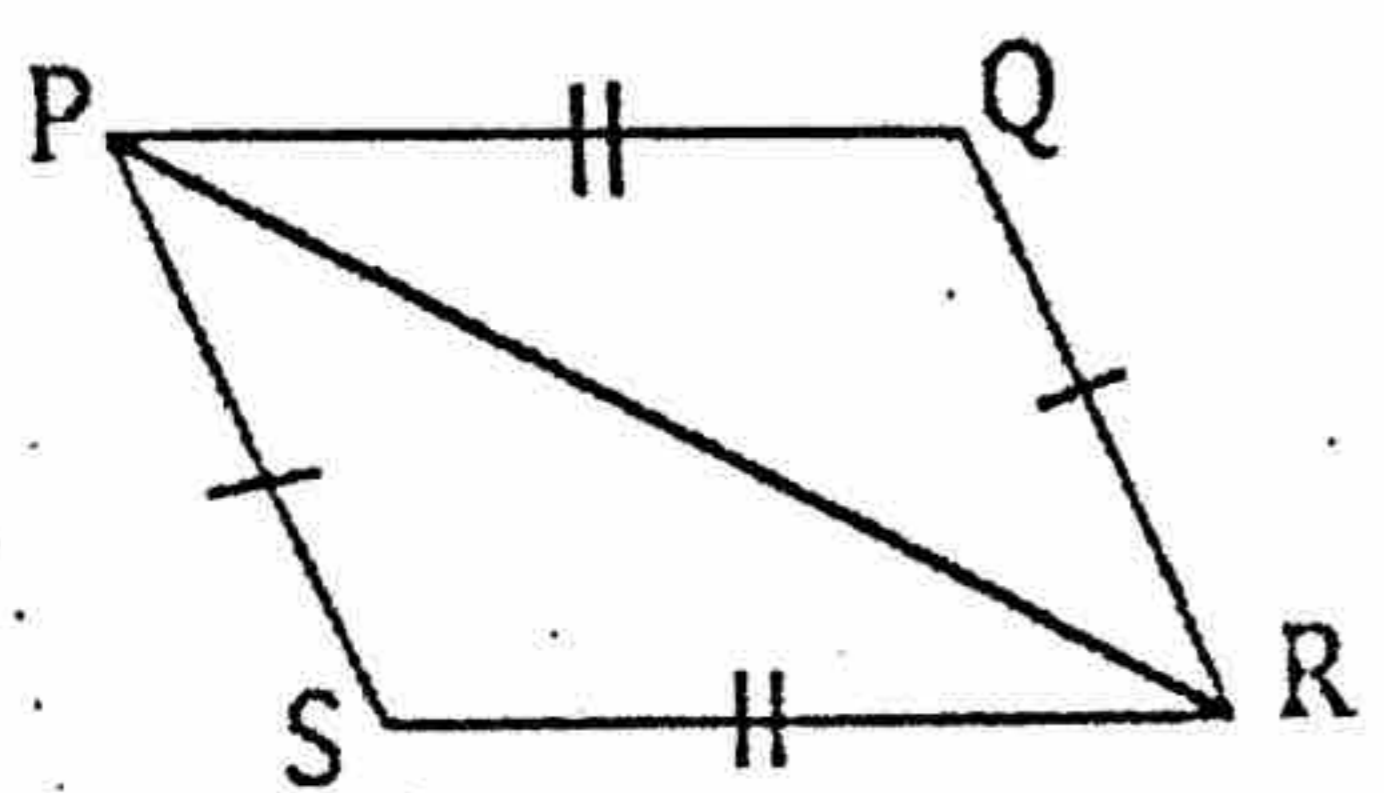
Prove:  $\triangle JKL \cong \triangle MNO$

Given:  $\overline{LM} \cong \overline{JM}$



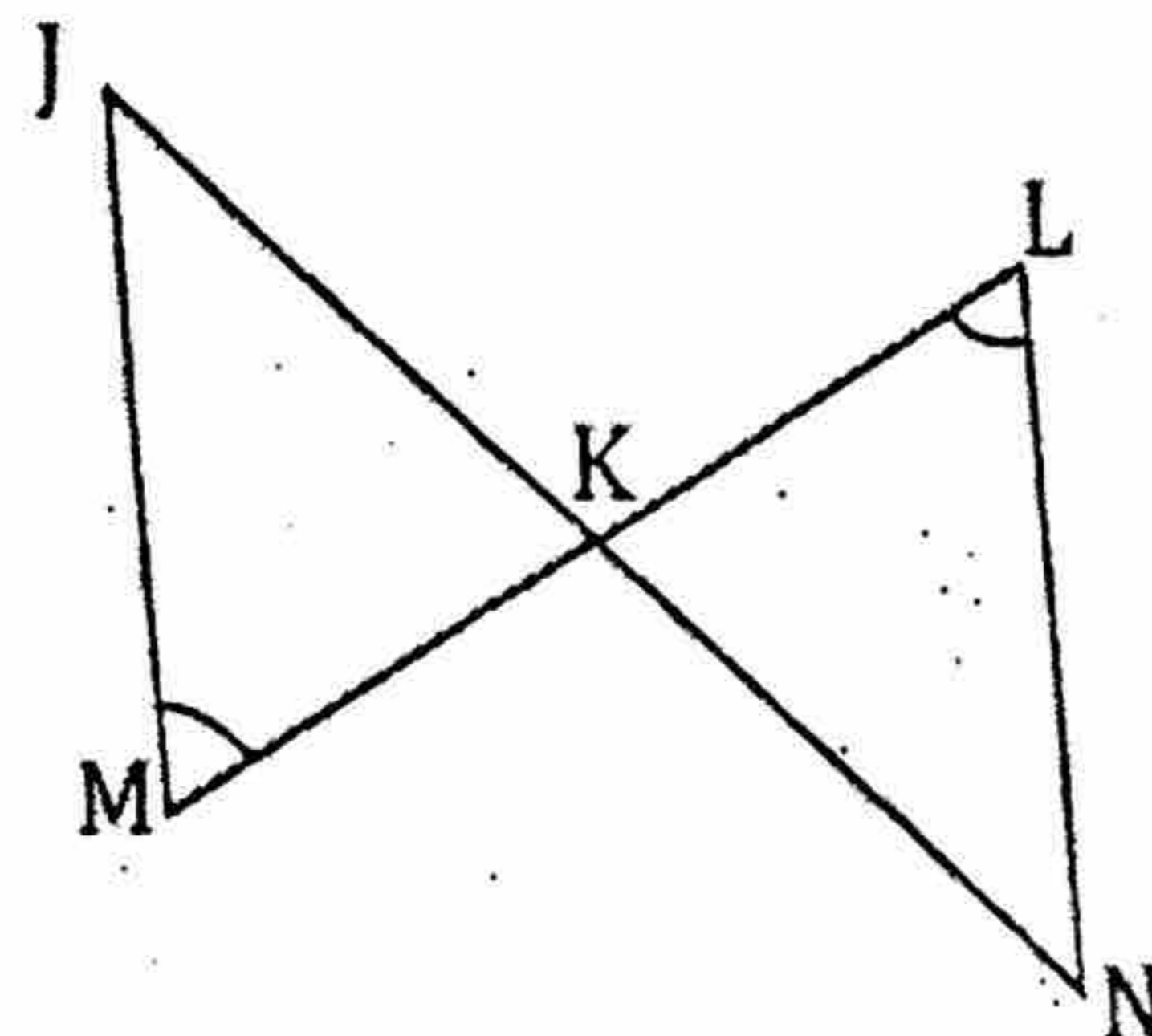
Prove:  $\triangle LKM \cong \triangle JKM$

Given:  $\overline{PS} \cong \overline{QR}, \overline{PQ} \cong \overline{SR}$



Prove:  $\triangle PRS \cong \triangle RPQ$

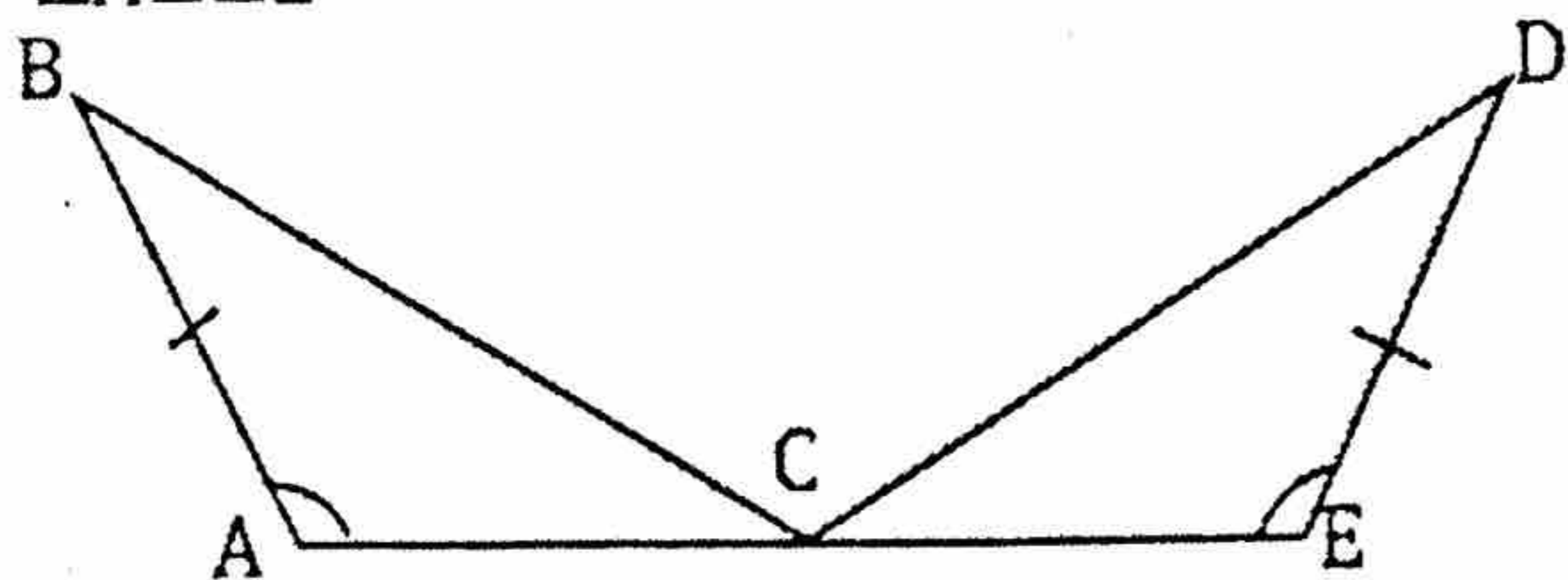
Given:  $\overline{JN}$  Bisects  $\overline{ML}, \angle M \cong \angle L$



Prove:  $\triangle MJK \cong \triangle LNK$

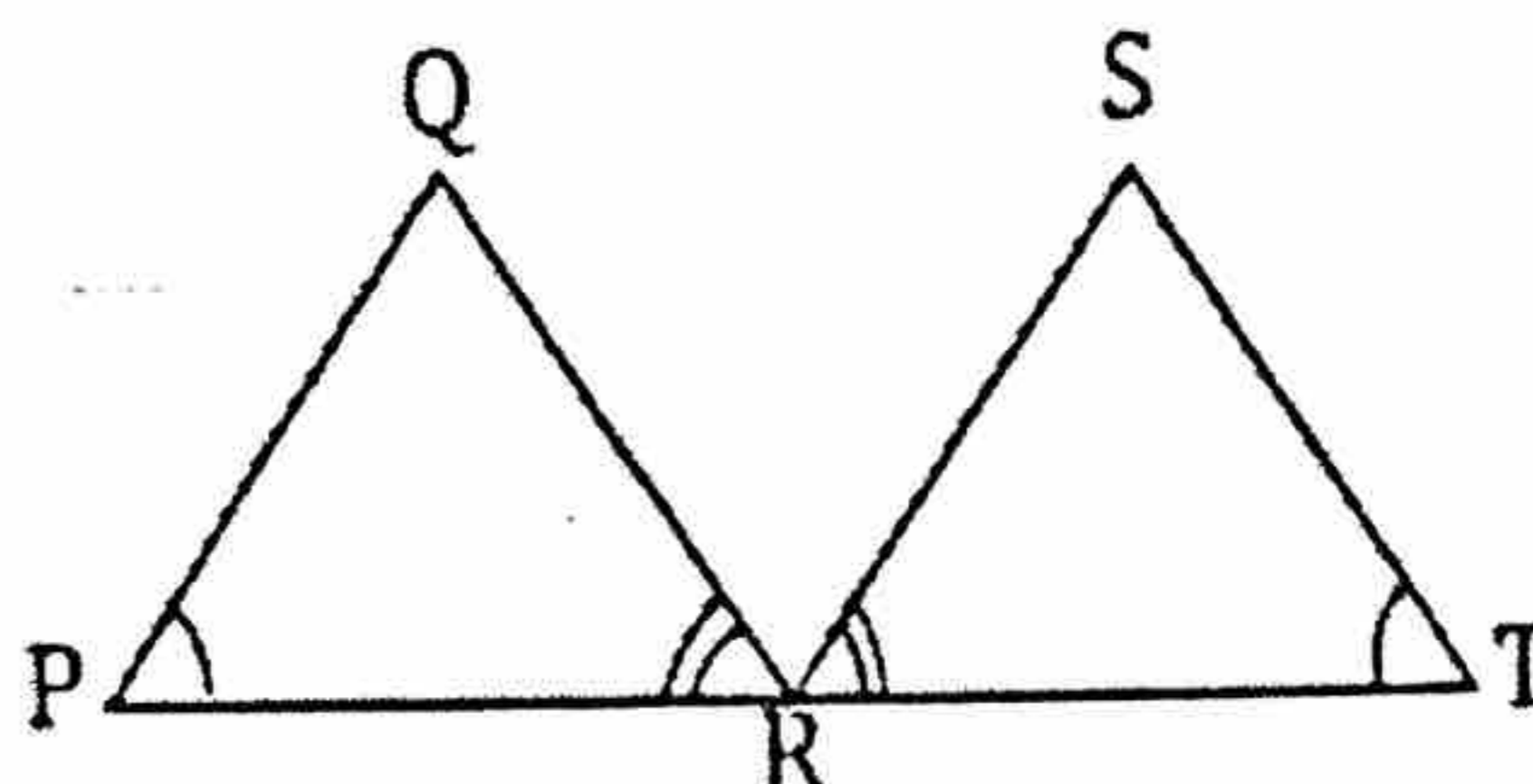
$$\angle J = \angle N$$

Given: C is the midpoint of  $\overline{AE}, \overline{BA} \cong \overline{DE},$  and  $\angle A \cong \angle E$



Prove:  $\triangle ABC \cong \triangle EDC$

Given: R is the midpoint of  $\overline{PT}, \angle P \cong \angle T,$  and  $\angle PRQ \cong \angle TRS$



Prove:  $\triangle PQR \cong \triangle TSR$