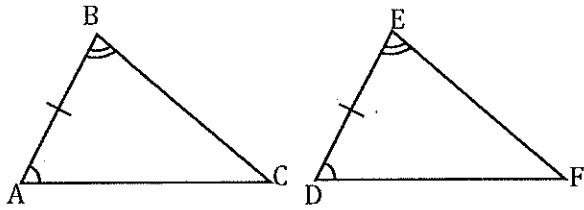


For these fill in any missing statements or reasons.

1.

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

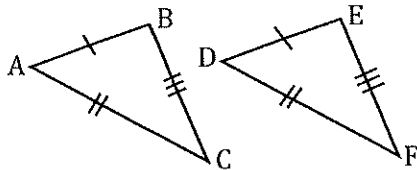


Prove:  $\triangle ABC \cong \triangle DEF$

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

3.

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

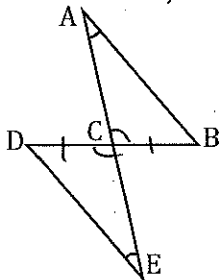


Prove:  $\triangle ABC \cong \triangle DEF$

Statements	Reasons
1. $\overline{AB} \cong \overline{DE}$	1. GIVEN
2. $\overline{BC} \cong \overline{EF}$	2. GIVEN
3. $\overline{AC} \cong \overline{DF}$	3. GIVEN
4. SSS	4. SSS

5.

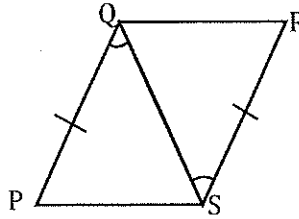
Given:  $\overline{AE}$  bisects  $\overline{BD}$ ,  $\angle A \cong \angle E$



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

Statements	Reasons
1. $\angle A \cong \angle E$	1. GIVEN
2. $\overline{AE}$ bisects $\overline{BD}$	2. Given
3. $\overline{DC} \cong \overline{CB}$	3. Definition of Bisect
4. $\angle ACB \cong \angle DCE$	4. VERTICAL $\angle$ 'S
5. $\triangle ABC \cong \triangle EDC$	5. AAS

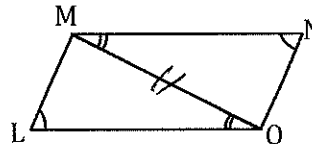
2. Given:  $\overline{PQ} \cong \overline{RS}$ , and  $\angle PQS \cong \angle RSQ$



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

Statements	Reasons
1. $\overline{QP} \cong \overline{SR}$	1. Given
2. $\angle PQS \cong \angle RSQ$	2. Given
3. $\overline{QS} \cong \overline{QS}$	3. REFLEXIVE PROPERTY
4. $\triangle PQS \cong \triangle RSQ$	4. SAS

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

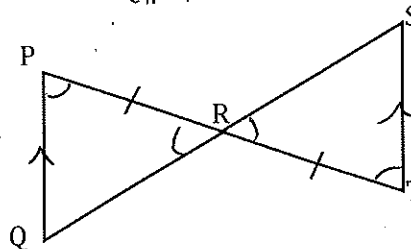


Prove:  $\triangle LMO \cong \triangle NMO$

Statements	Reasons
1. $\angle MLO \cong \angle MNO$	1. GIVEN
2. $\angle L \cong \angle N$	2. Given
3. $\overline{MO} \cong \overline{MO}$	3. Reflexive Property
4. $\triangle LMO \cong \triangle NMO$	4. AAS

6.

Given:  $\overline{PQ} \parallel \overline{ST}$ ,  $\overline{PR} \cong \overline{TR}$

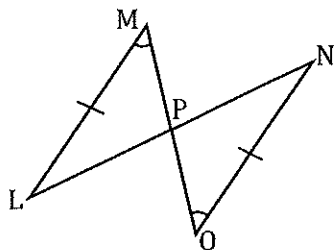


Prove:  $\triangle PQR \cong \triangle TSR$

Statements	Reasons
1. $\overline{PR} \cong \overline{TR}$	1. GIVEN
2. $\overline{PQ} \parallel \overline{ST}$	2. Given
3. $\angle P \cong \angle T$	3. ALT INTERIOR $\angle$ 'S
4. $\angle ACB \cong \angle DCE$	4. VERTICAL $\angle$ 'S
5. $\triangle PQR \cong \triangle TSR$	5. ASA

$\angle PRQ \cong \angle TRS$

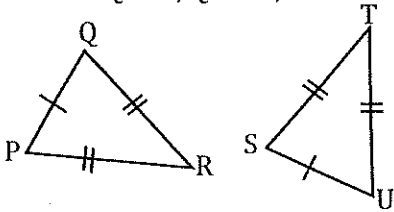
7. Given:  $\overline{LM} \cong \overline{NO}$ , and  $\angle M \cong \angle O$



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

Statements	Reasons
1. $\overline{LM} \cong \overline{NO}$	1. GIVEN
2. $\angle M \cong \angle O$	2. Given
3. $\angle MPL \cong \angle OPN$	3. VERTICAL $\angle$ 's
4. $\triangle MPL \cong \triangle NPO$	4. AAS

9. Given:  $\overline{PQ} \cong \overline{SU}$ ,  $\overline{QR} \cong \overline{ST}$ , and  $\overline{PR} \cong \overline{TU}$

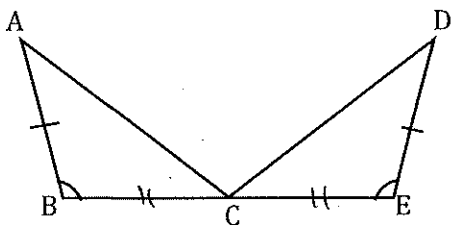


Prove:  $\triangle PQR \cong \triangle STU$

Statements	Reasons
1. $\overline{PQ} \cong \overline{SU}$	1. Given
2. $\overline{QR} \cong \overline{ST}$	2. Given
3. $\overline{PR} \cong \overline{TU}$	3. GIVEN
4. $\triangle PQR \cong \triangle STU$	4. SSS

11.

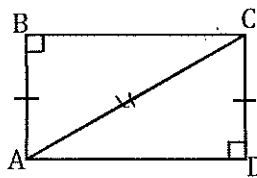
- Given: C is the midpoint of  $\overline{BE}$ ,  $\angle B \cong \angle E$ , and  $\overline{AB} \cong \overline{DE}$



Prove:  $\triangle ABC \cong \triangle DEC$

Statements	Reasons
1. $\angle B \cong \angle E$	1. GIVEN
2. $\overline{AB} \cong \overline{DE}$	2. GIVEN
3. C is midpoint	3. Given
4. $\overline{BC} \cong \overline{EC}$	4. Midpoint
5. $\triangle ABC \cong \triangle DEC$	5. SAS

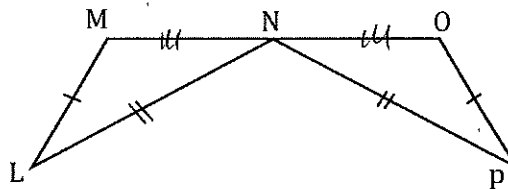
8. Given:  $\overline{AB} \cong \overline{DC}$



Prove:  $\triangle ABC \cong \triangle CDA$

Statements	Reasons
1. $\angle B \cong \angle D$ , $\overline{AB} \cong \overline{DC}$	1. Given
2. $\overline{AC} \cong \overline{AC}$	2. REFLEXIVE PROP
3. $\triangle ABC \cong \triangle CDA$	3. NOT ENOUGH INFO (NO ASS POSTULATE)

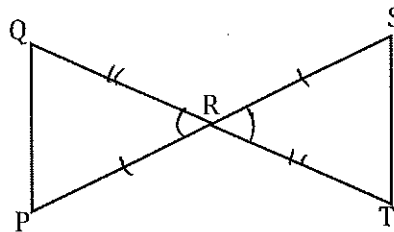
10. Given: N is the midpoint of  $\overline{MO}$ ,  $\overline{LM} \cong \overline{OP}$ , and  $\overline{LN} \cong \overline{PN}$



Prove:  $\triangle LMN \cong \triangle PON$

Statements	Reasons
1. $\overline{LM} \cong \overline{OP}$	1. Given
2. $\overline{LN} \cong \overline{PN}$	2. GIVEN
3. N is the Midpoint of $\overline{MO}$	3. Given
4. $\overline{MN} \cong \overline{ON}$	4. Midpoint
5. $\triangle LMN \cong \triangle PON$	5. SSS

12. Given:  $\overline{QT}$  bisects  $\overline{SP}$ ,  $\overline{SP}$  bisects  $\overline{QT}$



Prove:  $\triangle QRP \cong \triangle SRT$

Statements	Reasons
1. $\overline{QT}$ bisects $\overline{SP}$	1. Given
2. $\overline{SP}$ bisects $\overline{QT}$	2. Given
3. $\overline{QR} \cong \overline{TR}$	3. Definition of Bisect
4. $\overline{PR} \cong \overline{SR}$	4. DEF OF BISECTOR
5. $\angle QRP \cong \angle SRT$	5. Vertical Angles
6. $\triangle QRP \cong \triangle SRT$	6. SAS