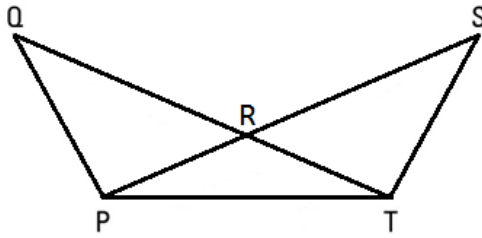
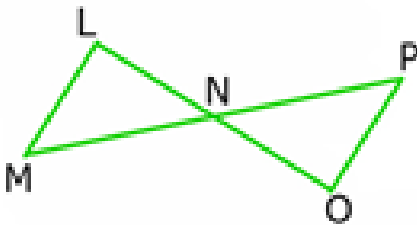


1. Given: $\angle RPT \cong \angle RTP$
 $\angle PQR \cong \angle TSR$
 Prove: $\triangle QPR \cong \triangle STR$



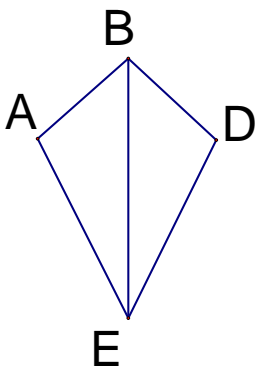
Statements	Reasons
1. $\angle RPT \cong \angle RTP$	1. Given
2. $\overline{RP} \cong \overline{RT}$	2. Base Angles Converse
3. $\angle PQR \cong \angle TSR$	3. Given
4. $\angle QRP \cong \angle SRT$	4. VAT
5. $\triangle QPR \cong \triangle STR$	5. AAS

2. Given: N is the midpoint of \overline{LO}
 $\overline{LM} \parallel \overline{OP}$
 Prove: $\triangle LNM \cong \triangle ONP$



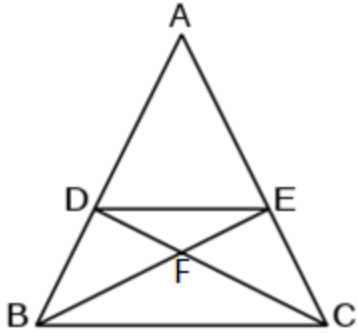
Statements	Reasons
1. N is the midpoint of \overline{LO}	1. Given
2. $\overline{LN} \cong \overline{ON}$	2. Definition of Midpoint
3. $\overline{LM} \parallel \overline{OP}$	3. Given
4. $\angle LMN \cong \angle OPN$	4. Alt. Int. Angles Thm.
5. $\angle LNM \cong \angle ONP$	5. VAT
6. $\triangle LNM \cong \triangle ONP$	6. AAS

3. Given: \overline{BE} bisects $\angle ABD$
 \overline{BE} bisects $\angle AED$
 Prove: $\triangle ABE \cong \triangle DBE$



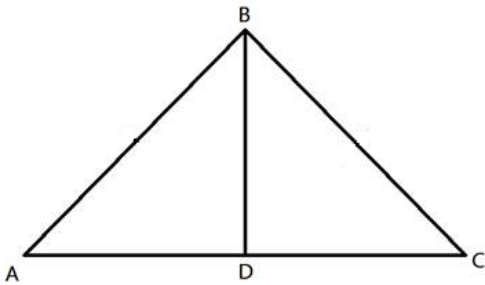
Statements	Reasons
1. \overline{BE} bisects $\angle ABD$	1. Given
2. $\angle ABE \cong \angle DBE$	2. Def. of angle bisector
3. \overline{BE} bisects $\angle AED$	3. Given
4. $\angle AEB \cong \angle DEB$	4. Def. of angle bisector
5. $\overline{BE} \cong \overline{BE}$	5. Reflexive Property
6. $\triangle ABE \cong \triangle DBE$	6. ASA

4. Given: $\angle EDC \cong \angle DEB$
 $\angle FBC \cong \angle FCB$
 Prove: $\triangle DBF \cong \triangle ECF$



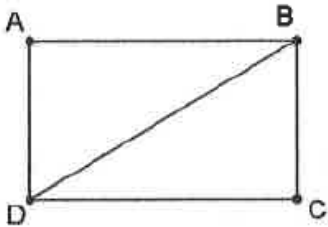
Statements	Reasons
1. $\angle EDC \cong \angle DEB$	1. Given
2. $\overline{DF} \cong \overline{EF}$	2. Base Angles Converse
3. $\angle FBC \cong \angle FCB$	3. Given
4. $\overline{BF} \cong \overline{CF}$	4. Base Angles Converse
5. $\angle DFB \cong \angle EFC$	5. VAT
6. $\triangle DBF \cong \triangle ECF$	6. SAS

5. Given: $\overline{AB} \cong \overline{CB}$
 D is the midpoint of \overline{AC}
 Prove: $\triangle ADB \cong \triangle CDB$



Statements	Reasons
1. $\overline{AB} \cong \overline{CB}$	1. Given
2. D is the midpoint of \overline{AC}	2. Given
3. $\overline{AD} \cong \overline{CD}$	3. Def of midpoint
4. $\overline{BD} \cong \overline{BD}$	4. Reflexive
5. $\triangle ABD \cong \triangle CDB$	5. SSS

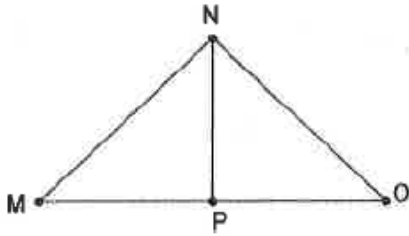
6. Given: $\overline{AD} \cong \overline{CB}$, $\overline{AD} \parallel \overline{CB}$
 Prove: $\triangle ABD \cong \triangle CDB$



Statements	Reasons
1. $\overline{AD} \cong \overline{CB}$	1. Given
2. $\overline{AD} \parallel \overline{CB}$	2. Given
3. $\angle ADB \cong \angle CBD$	3. Alt. Int. Angles Thm.
4. $\overline{BD} \cong \overline{BD}$	4. Reflexive Property
6. $\triangle ABD \cong \triangle CDB$	6. SAS

7. Given: \overline{NP} bisects $\angle MNO$, $\overline{MN} \cong \overline{ON}$

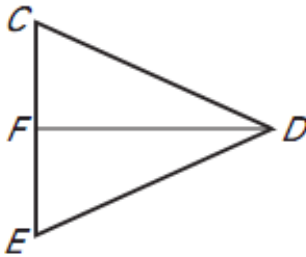
Prove: $\triangle MNP \cong \triangle ONP$



Statements	Reasons
1. \overline{NP} bisects $\angle MNO$	1. Given
2. $\angle MNP \cong \angle ONP$	2. Def. of angle bisector
3. $\overline{MN} \cong \overline{ON}$	3. Given
4. $\overline{NP} \cong \overline{NP}$	4. Reflexive Property
5. $\triangle MNP \cong \triangle ONP$	5. SAS

8. Given: \overline{DF} bisects \overline{CE} , $\overline{DC} \cong \overline{DE}$

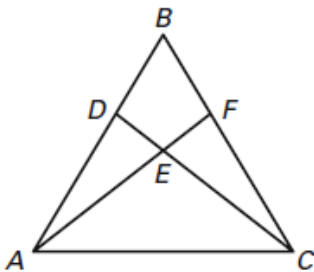
Prove: $\triangle CDF \cong \triangle EDF$



Statements	Reasons
1. \overline{DF} bisects \overline{CE}	1. Given
2. F is the midpoint of \overline{CE}	2. Def. of segment bisector
3. $\overline{CF} \cong \overline{EF}$	3. Def. of midpoint
4. $\overline{DC} \cong \overline{DE}$	4. Given
5. $\overline{DF} \cong \overline{DF}$	5. Reflexive Property
6. $\triangle CDF \cong \triangle EDF$	6. SSS

9. Given: $\overline{AD} \cong \overline{CF}$, $\overline{DC} \cong \overline{FA}$

Prove: $\triangle ADC \cong \triangle CFA$



Statements	Reasons
1. $\overline{AD} \cong \overline{CF}$	1. Given
2. $\overline{DC} \cong \overline{FA}$	2. Given
3. $\overline{AC} \cong \overline{AC}$	3. Reflexive Property
4. $\triangle ADC \cong \triangle CFA$	4. SSS