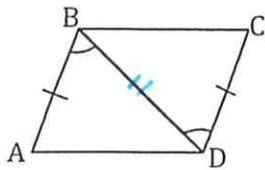


10

Given: $\overline{AB} \cong \overline{CD}$, $\angle ABD \cong \angle CDB$

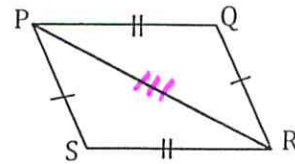


Prove: $\triangle ABD \cong \triangle CDB$

Statements	Reasons
① $\overline{AB} \cong \overline{CD}$	① given
② $\angle ABD \cong \angle CDB$	② given
③ $\overline{BD} \cong \overline{DB}$	③ Reflexive Prop. \cong
④ $\triangle ABD \cong \triangle CDB$	④ SAS

11

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

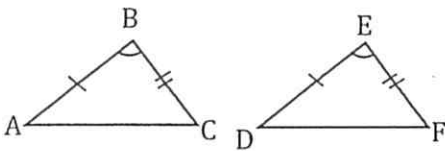


Prove: $\triangle PRS \cong \triangle RPQ$

Statements	Reasons
① $\overline{PS} \cong \overline{QR}$	① given
② $\overline{PQ} \cong \overline{SR}$	② given
③ $\overline{PR} \cong \overline{RP}$	③ Reflexive Prop. \cong
④ $\triangle PRS \cong \triangle RPQ$	④ SSS

12

Given: $\overline{AB} \cong \overline{DE}$, $\overline{BC} \cong \overline{EF}$, and $\angle B \cong \angle E$

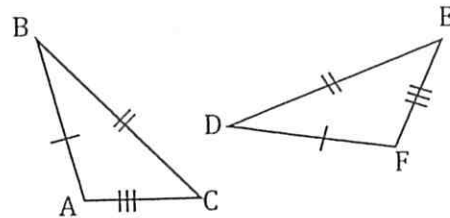


Prove: $\triangle ABC \cong \triangle DEF$

Statements	Reasons
① $\overline{AB} \cong \overline{DE}$	① given
② $\overline{BC} \cong \overline{EF}$	② given
③ $\angle B \cong \angle E$	③ given
④ $\triangle ABC \cong \triangle DEF$	④ SAS

13

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



Prove: $\triangle ABC \cong \triangle FDE$

Statements	Reasons
① $\overline{AB} \cong \overline{DF}$	① given
② $\overline{BC} \cong \overline{DE}$	② given
③ $\overline{AC} \cong \overline{EF}$	③ given
④ $\triangle ABC \cong \triangle FDE$	④ SSS