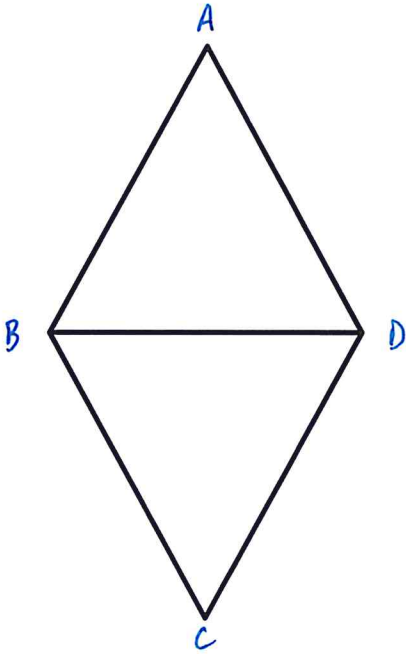


Geometric Proofs
Emphasis on Congruence by Side – Side – Side

Prove each of the following using Side – Side – Side:

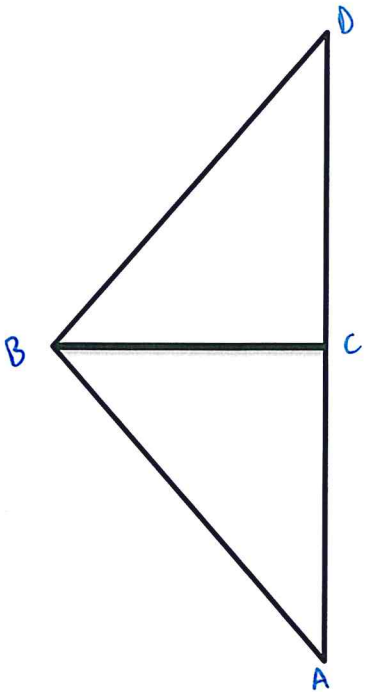
1. Given: $\overline{AB} \cong \overline{CD}$
 $\overline{AD} \cong \overline{CB}$

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



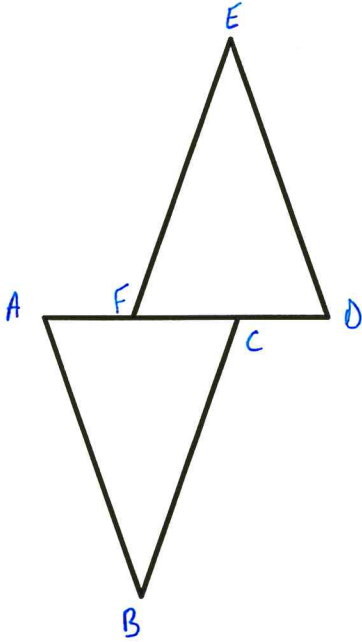
2. Given: $\triangle ABD$ is an Isosceles Triangle with base \overline{AD}
C is the midpoint of \overline{AD}

Prove: $\triangle ABC \cong \triangle DBC$



3. Given: $\overline{AB} \cong \overline{DE}$
 $\overline{AC} \cong \overline{DF}$
 $\overline{BC} \cong \overline{EF}$

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



4. Given: C is the midpoint of \overline{AD} & \overline{BE}
 $\overline{AB} \cong \overline{DE}$

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

