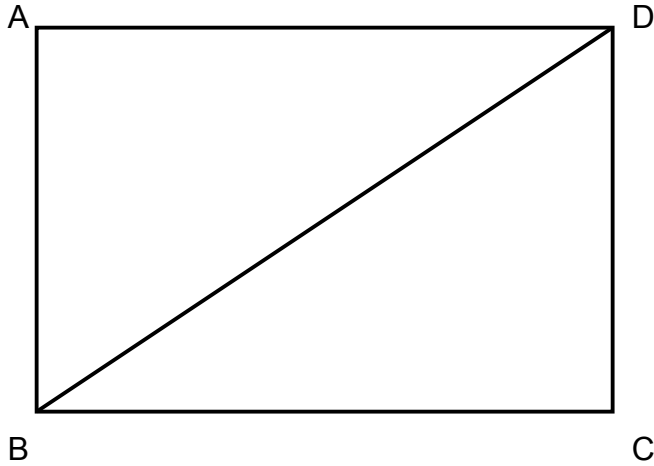


Congruent Triangles SSS and SAS Proofs

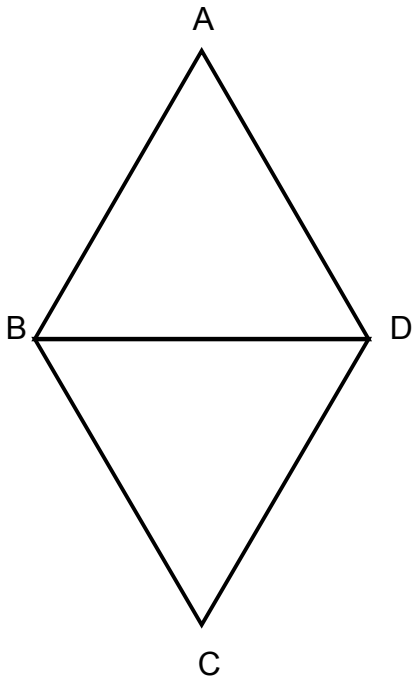
Name _____ Class/Period _____

Write a 2 column proof for each of the following.

1. Given: $\overline{AB} \parallel \overline{DC}$ & $\overline{AB} \cong \overline{CD}$ Prove: $\triangle BAD \cong \triangle DCB$ 

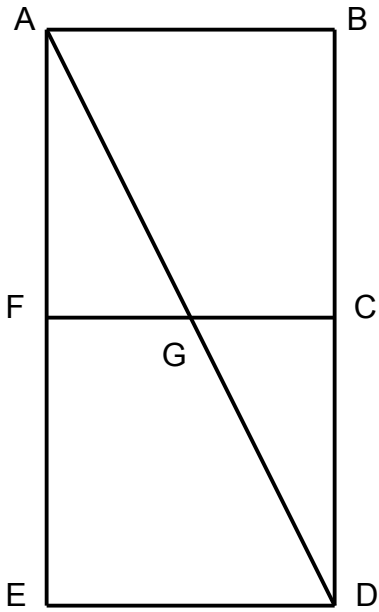
Congruent Triangles SSS and SAS Proofs

2. Given: $\triangle ABD$ & $\triangle BDC$ are equilateral
Prove: $\triangle ABD \cong \triangle BDC$



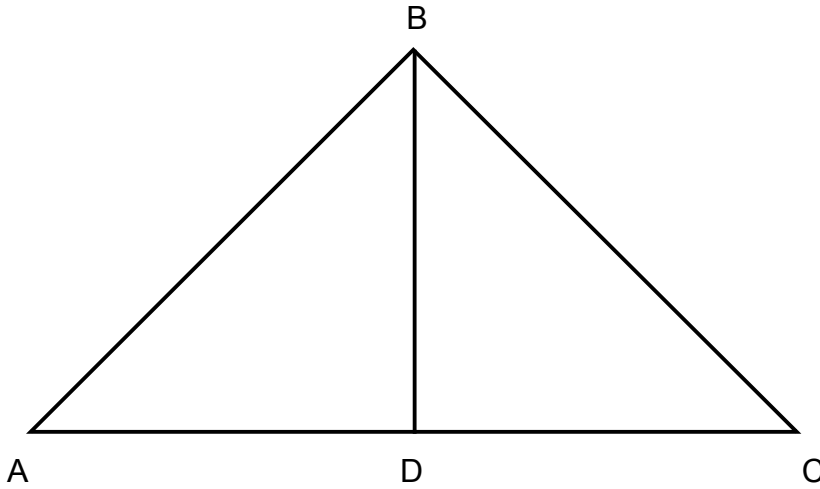
Congruent Triangles SSS and SAS Proofs

3. Given: G is the midpoint of \overline{AD} and \overline{FC}
Prove: $\triangle GDC \cong \triangle GAF$



Congruent Triangles SSS and SAS Proofs

4. Given: $\overline{AB} \cong \overline{BC}$, \overline{BD} is a bisector of \overline{AC}
Prove: $\triangle BDC \cong \triangle BDA$



5. Given: $\triangle CHB \cong \triangle FGE$ and $\overline{HA} \cong \overline{DG}$
 Prove: $\triangle ECD \cong \triangle BFA$

