

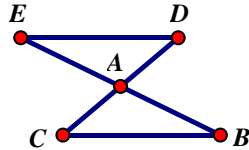
Geometry

Unit One B: Two-Column Proofs #2 – Fill in the Blanks (HW12)

Name: _____

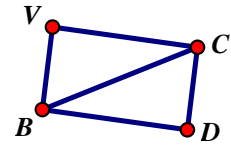
Date: _____ Period: _____

1) GIVEN:
 $\angle B \cong \angle E$ & $\overline{CB} \cong \overline{DE}$
 PROVE:
 $\triangle EAD \cong \triangle BAC$



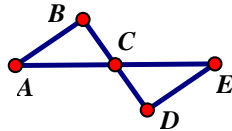
STATEMENT	REASON
1. $\angle B \cong \angle E$	1.
2.	2. Given
3. $\angle EAD \cong \angle BAC$	3.
4.	4.

2) GIVEN:
 $\overline{VC} \cong \overline{DB}$ & $\overline{VB} \cong \overline{DC}$
 PROVE:
 $\triangle BVC \cong \triangle CDB$



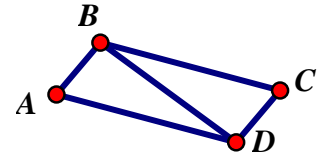
STATEMENT	REASON
1.	1. Given
2. $\overline{VB} \cong \overline{DC}$	2.
3. $\overline{BC} \cong \overline{BC}$	3.
4.	4.

3) GIVEN:
 $\angle B \cong \angle D$ & $\overline{BC} \cong \overline{DC}$
 PROVE:
 $\triangle ACB \cong \triangle ECD$



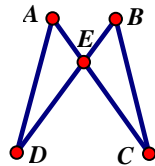
STATEMENT	REASON
1. $\angle B \cong \angle D$	1.
2.	2. Given
3.	3.
4. $\triangle ACB \cong \triangle ECD$	4.

4) GIVEN:
 $\overline{AD} \cong \overline{CB}$ & $\overline{AB} \cong \overline{CD}$
 PROVE:
 $\triangle ABD \cong \triangle CDB$



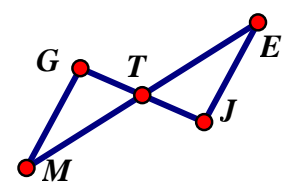
STATEMENT	REASON
1. $\overline{AD} \cong \overline{CB}$	1.
2.	2.
3.	3. Reflexive Property
4.	4.

5) GIVEN:
 $\overline{AE} \cong \overline{BE}$ & $\overline{DE} \cong \overline{CE}$
 PROVE:
 $\triangle AED \cong \triangle BEC$



STATEMENT	REASON
1. $\overline{AE} \cong \overline{BE}$	1.
2.	2. Given
3.	3. Vertical \angle s Thm.
4. $\triangle AED \cong \triangle BEC$	4.

6) GIVEN:
 T is the midpoint of \overline{ME}
 & T is the midpoint of \overline{GJ}
 PROVE:
 $\triangle MGT \cong \triangle EJT$



STATEMENT	REASON
1. T is the midpoint of \overline{ME}	1.
2.	2.
3.	3. Given
4.	4.
5. $\angle GTM \cong \angle JTE$	5.
6.	6.