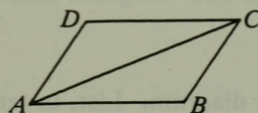


16. Supply the missing reasons.

Given: $\overline{AB} \parallel \overline{DC}$; $\overline{AB} \cong \overline{DC}$

Prove: $\triangle ABC \cong \triangle CDA$



Proof:

Statements

Reasons

1. $\overline{AB} \cong \overline{DC}$

1. ?

2. $\overline{AC} \cong \overline{AC}$

2. ?

3. $\overline{AB} \parallel \overline{DC}$

3. ?

4. $\angle BAC \cong \angle DCA$

4. ?

5. $\triangle ABC \cong \triangle CDA$

5. ?