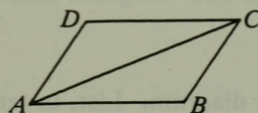


16. Supply the missing reasons.

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. ?