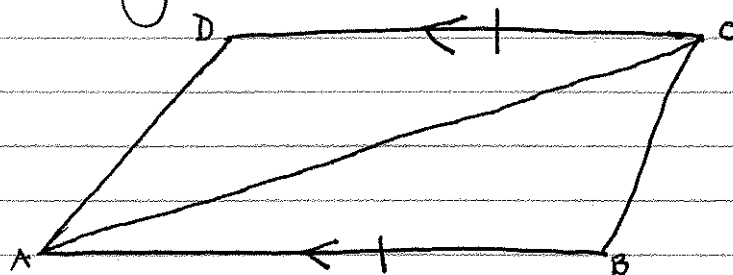


Rachael Deffenbaugh Pd. 9 #5

Given $\overline{AB} \parallel \overline{CD}$; $\overline{AB} \cong \overline{DC}$
Prove $\triangle ABC \cong \triangle CDA$



- 1.) $\overline{AB} \parallel \overline{CD}$; $\overline{AB} \cong \overline{DC}$
- 2.) $\overline{CA} \cong \overline{CA}$
- 3.) $\angle DAB \cong \angle DCB$
- 4.) $\triangle ABC \cong \triangle CDA$

- 1.) Given
- 2.) Reflexive
- 3.) Alternate interior Congruence Theorems
- 4.) SAS \cong Post