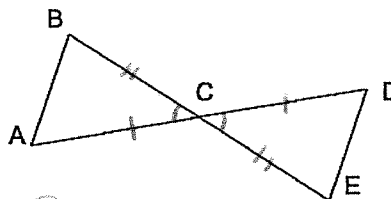


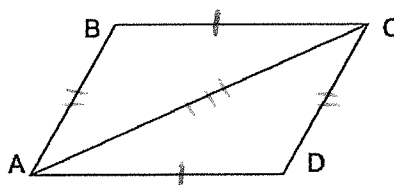
3. Given: C is the midpoint  
of  $\overline{AD}$  and  $\overline{BE}$   
Prove:  $\angle A \cong \angle D$



Statements	Reasons
C is the midpoint of $\overline{AD}$ and $\overline{BE}$	Given
$\overline{BC} \cong \overline{EC}$	Midpoint
$\overline{AC} \cong \overline{DC}$	Midpoint
$\angle BCA \cong \angle DCE$	Vertical angles
$\triangle ABC \cong \triangle DEC$	SAS
$\angle A \cong \angle D$	CPCTC

4. Given:  $\overline{BC} \cong \overline{AD}$ ,  $\overline{AB} \cong \overline{CD}$

Prove:  $\overline{AD} \cong \overline{CB}$



Statements	Reasons
$\overline{BC} \cong \overline{AD}$ , $\overline{AB} \cong \overline{CD}$	Given
$\overline{AC} \cong \overline{AC}$	Reflexive property
$\triangle CBA \cong \triangle CDA$	SSS
$\overline{AD} \cong \overline{CB}$	CPCTC