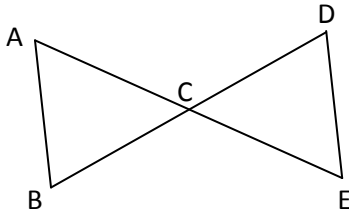


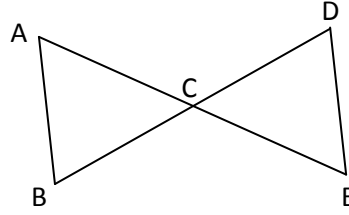
Topic 13
Triangle Congruency Proofs
Practice Quiz

1) Given: C is the midpoint of \overline{BD}
 $\angle A \cong \angle E$
 Prove: $\triangle ABC \cong \triangle DEC$



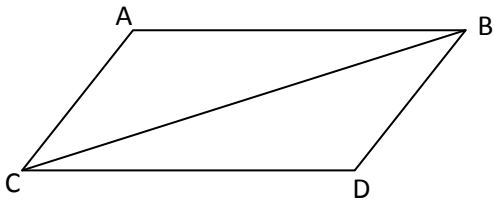
Statements	Reasons
C is the midpoint of \overline{BD}	
$\angle A \cong \angle E$	
$\triangle ABC \cong \triangle DEC$	

2) Given: C is the midpoint of \overline{BD}
 C is the midpoint of \overline{AE}
 Prove: $\triangle ABC \cong \triangle EDC$



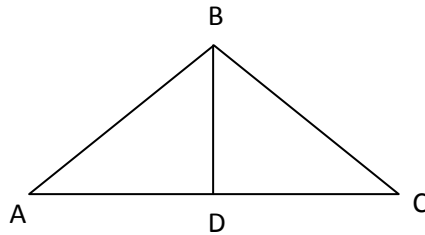
Statements	Reasons
C is the midpoint of \overline{BD}	
C is the midpoint of \overline{AE}	
$\triangle ABC \cong \triangle EDC$	

3) Given: $\overline{BD} \cong \overline{AC}$
 $\overline{AB} \cong \overline{CD}$
 Prove: $\triangle ABC \cong \triangle DCB$



Statements	Reasons
$\overline{BD} \cong \overline{AC}$	
$\overline{AB} \cong \overline{CD}$	
$\triangle ABC \cong \triangle DCB$	

4) Given: \overline{BD} bisects \overline{AC}
 $\angle ADB \cong \angle CDB$
 Prove: $\triangle ADB \cong \triangle CDB$



Statements	Reasons
\overline{BD} bisects \overline{AC}	
$\angle ADB \cong \angle CDB$	
$\triangle ADB \cong \triangle CDB$	