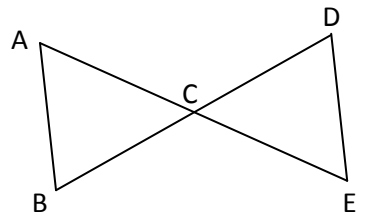
Topic 13
Triangle Congruency Proofs
Practice Quiz 2

1) Given: $\overline{AB} \cong \overline{ED}$

$\overline{AB} \parallel \overline{ED}$

Prove: $\Delta ACB \cong \Delta ECD$

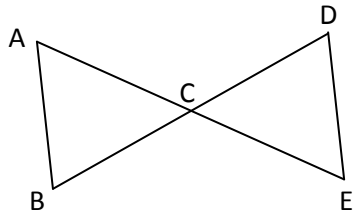


Statements	Reasons
$\overline{AB} \cong \overline{ED}$	
$\overline{AB} \parallel \overline{ED}$	
$\angle$ B $\cong \angle$ D	
$\angle$ A $\cong \angle$ E	
$\Delta ACB \cong \Delta ECD$	

2) Given: $\overline{AB} \cong \overline{ED}$

$\angle$ B $\cong \angle$ D

Prove: $\Delta ABC \cong \Delta EDC$

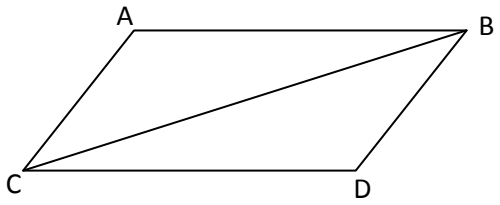


Statements	Reasons
$\overline{AB} \cong \overline{ED}$	
$\angle$ B $\cong \angle$ D	
$\Delta ABC \cong \Delta EDC$	

3) Given: $\overline{BD} \cong \overline{AC}$

$\angle$ CBD $\cong \angle$ ACB

Prove: $\Delta ABC \cong \Delta DCB$

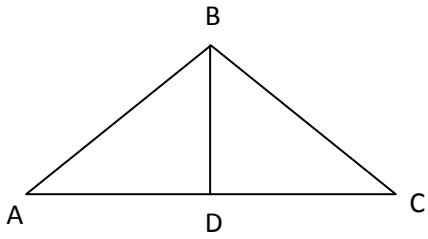


Statements	Reasons
$\overline{BD} \cong \overline{AC}$	
$\angle$ CBD $\cong \angle$ ACB	
$\Delta ABC \cong \Delta DCB$	

4) Given: $\overline{BD}$ bisects $\angle$ ABC

$\angle$ ADB $\cong \angle$ CDB

Prove: $\Delta ADB \cong \Delta CDB$



Statements	Reasons
$\overline{BD}$ bisects $\angle$ ABC	
$\angle$ ADB $\cong \angle$ CDB	
$\Delta ABD \cong \Delta CBD$	