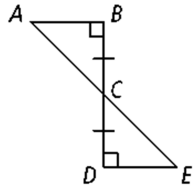


Geometry Worksheet

Triangle Congruence Proofs

Name: _____ Date: _____ Block: _____

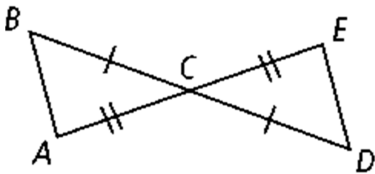
- 1) Given: $\overline{BD} \perp \overline{AB}$, $\overline{BD} \perp \overline{DE}$,
 $\overline{BC} \cong \overline{DC}$
 Prove: $\angle A \cong \angle E$



Thoughts:

Statements	Reasons

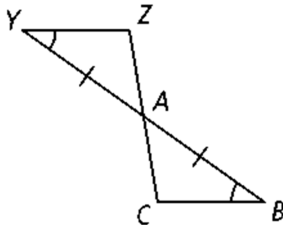
- 2) Given: $\overline{BC} \cong \overline{DC}$, $\overline{AC} \cong \overline{EC}$
 Prove: $\triangle ABC \cong \triangle EDC$



Thoughts:

Statements	Reasons

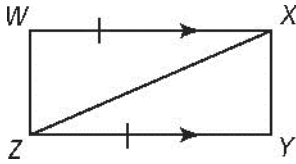
- 3) Given: $\overline{YA} \cong \overline{BA}$, $\angle B \cong \angle Y$
 Prove: $\overline{AZ} \cong \overline{AC}$



Thoughts:

Statements	Reasons

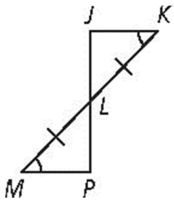
- 4) Given: $\overline{WX} \parallel \overline{YZ}, \overline{WX} \cong \overline{YZ}$
 Prove: $\triangle WXZ \cong \triangle YZX$



Thoughts:

Statements	Reasons

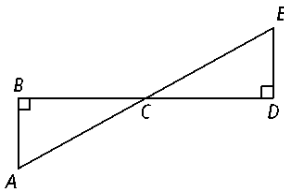
- 5) Given: $\angle K \cong \angle M, L$ is midpoint of \overline{KM}
 Prove: $\triangle JKL \cong \triangle PML$



Thoughts:

Statements	Reasons

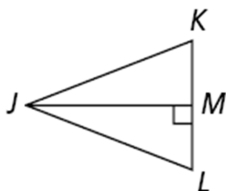
- 6) Given: $\angle B$ and $\angle D$ are right angles.
 \overline{AE} bisects \overline{BD}
 Prove: $\triangle ABC \cong \triangle EDC$



Thoughts:

Statements	Reasons

- 7) Given: \overline{JM} bisects $\angle J, \overline{JM} \perp \overline{KL}$
 Prove: $\triangle JMK \cong \triangle JML$



Thoughts:

Statements	Reasons