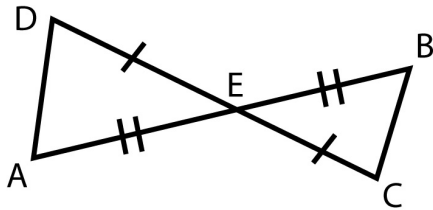


Name : _____

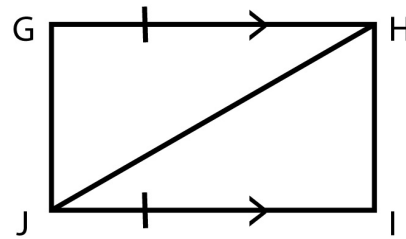
Score : _____ Date : _____

Proving Triangle Congruence Worksheet

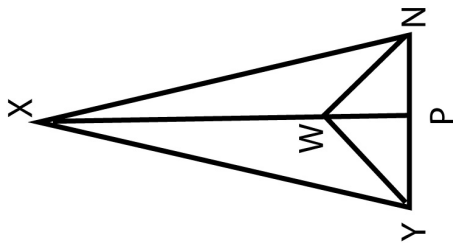
- 1 Given $\overline{DE} \cong \overline{EC}$, $\overline{AE} \cong \overline{EB}$
Prove $\triangle DEA \cong \triangle BCE$



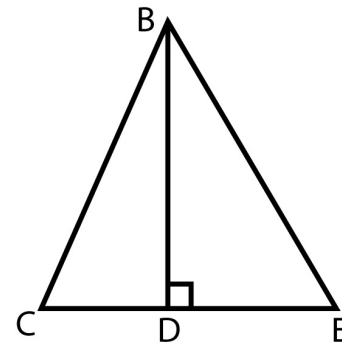
- 2 Prove that $\triangle GJH \cong \triangle HJI$
When $\overline{GH} \parallel \overline{JI}$, $\overline{GH} \cong \overline{JI}$



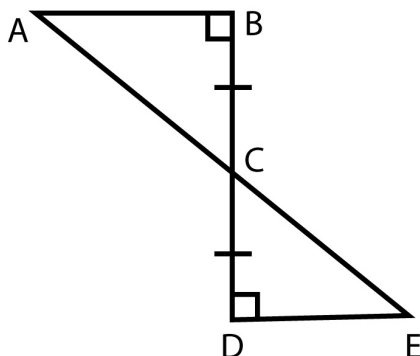
- 3 Prove that $\triangle WNX \cong \triangle WYX$
When $\angle XYP \cong \angle XNP$, $\angle NWX \cong \angle YWX$



- 4 Prove that $\triangle BDC \cong \triangle BDE$ when
 \overline{BD} bisects $\angle B$ and $\overline{BD} \perp \overline{CE}$



- 5 Prove that $\angle A \cong \angle E$
When $\overline{BD} \perp \overline{AB}$, $\overline{BD} \perp \overline{DE}$
 $\overline{BC} \cong \overline{DC}$



- 6 Prove $\triangle XYZ \cong \triangle PLZ$
Given $\angle Y \cong \angle P$, Z is the midpoint
of \overline{YP}

