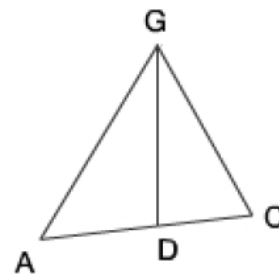
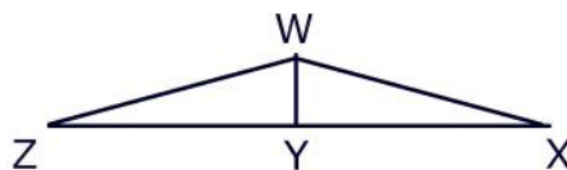


Triangle Proofs Worksheet

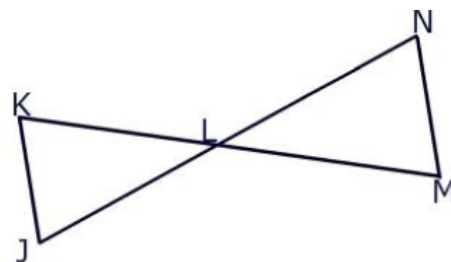
1. **Given:** \overline{DG} bisects $\angle AGC$, $\angle GCD \cong \angle GAD$
Prove: $\triangle GCD \cong \triangle GAD$



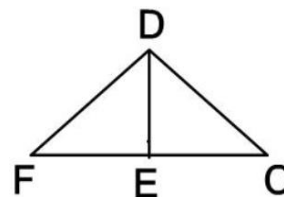
2. **Given:** $\overline{WZ} \cong \overline{WX}$, \overline{WY} bisects \overline{ZX}
Prove: $\triangle WYZ \cong \triangle WYX$



3. **Given:** \overline{KM} bisects \overline{JN} , $\angle K \cong \angle M$
Prove: $\triangle JLK \cong \triangle LNM$



4. **Given:** \overline{DE} is a perpendicular bisector of \overline{FC} .
 $\overline{DF} \cong \overline{DC}$
Prove: $\triangle DEF \cong \triangle DEC$

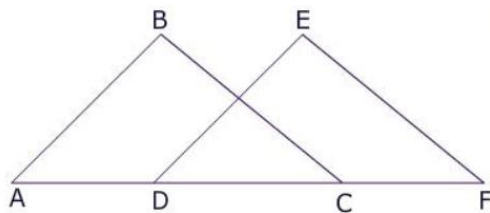


5.

Given $\overline{BC} \parallel \overline{EF}$
 $\overline{AD} \cong \overline{CF}$

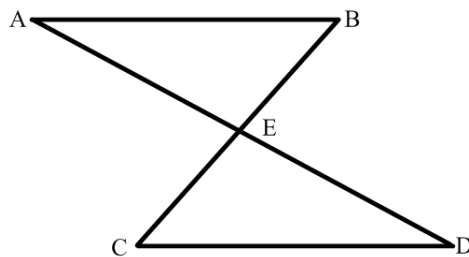
$\angle ABC \cong \angle DEF$

Prove $\triangle ABC \cong \triangle DEF$



6. **Given:** $AB = DC$, and $AB \parallel DC$

Prove: $AE \cong DE$



7. **Given:** $TL \parallel RS$, and M is the midpoint of LR

Prove: M is the midpoint of TS

