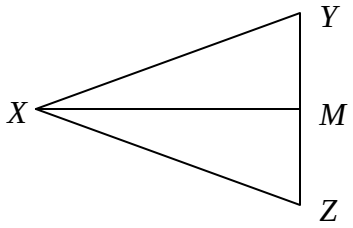
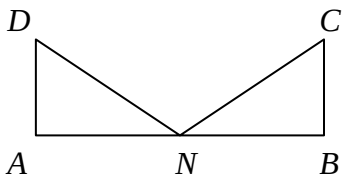
Proofs Using Definitions

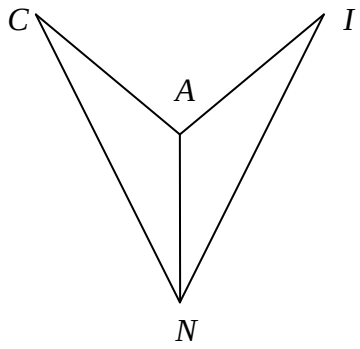
1. Given: $\overline{XM}$ bisects $\angle YXZ$
   $\overline{XY} \cong \overline{XZ}$
   Prove: $\Delta XYM \cong \Delta XZM$



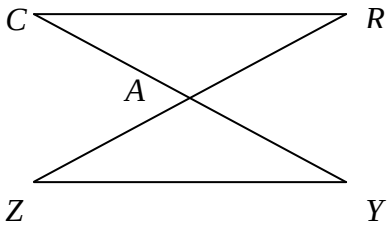
2. Given: N is the midpoint of $\overline{AB}$
   $\angle DAN \cong \angle CBN$
   $\angle DNA \cong \angle CNB$
   Prove: $\Delta DAN \cong \Delta CBN$



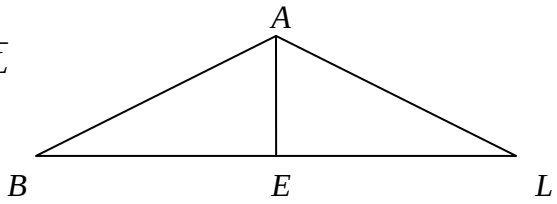
3. Given: $\overline{AN}$ bisects $\angle CNI$
   $\angle C \cong \angle I$
   Prove: $\Delta CAN \cong \Delta IAN$



4. Given: $\overline{CY}$ and $\overline{ZR}$ bisect each other.
   Prove: $\Delta CAR \cong \Delta YAZ$



5. Given: $\overline{AE}$ is the perpendicular bisector of $\overline{BL}$
   Prove: $\Delta AEB \cong \Delta AEL$



6. Given: $\overline{BU}$ bisects $\overline{LE}$
   $\angle B \cong \angle U$
   Prove: $\Delta BLS \cong \Delta UES$