

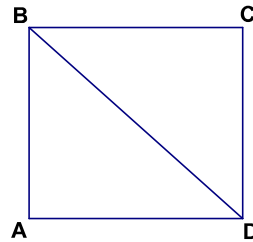
Name _____
Mr. Schlansky

Date _____
Geometry

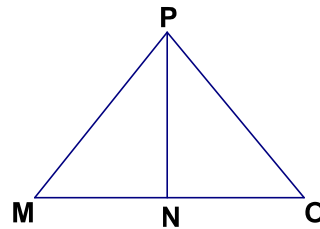


Triangle Proofs!

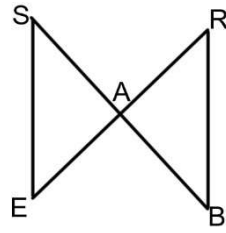
1. Given: $\overline{BD}$ bisects $\angle CDA$
 $\overline{AD} \cong \overline{DC}$
 Prove: $\triangle BAD \cong \triangle BCD$



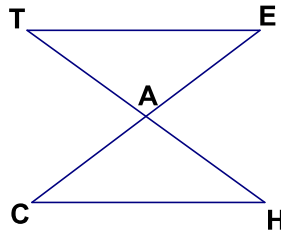
2. Given: $\overline{PN} \perp \overline{MO}$
 $\angle OPN \cong \angle MPN$
 Prove: $\triangle MPN \cong \triangle OPN$



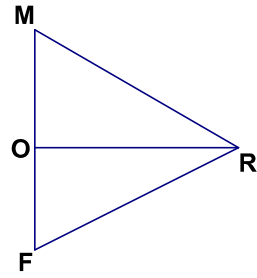
3. Given: $\overline{SE} \parallel \overline{RB}$ and $\overline{RE}$ bisects $\overline{SB}$
 Prove: $\triangle ESA \cong \triangle RBA$



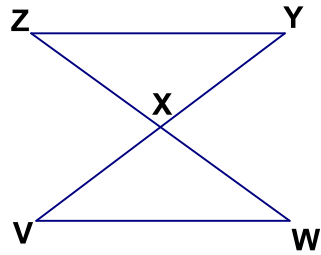
4. Given: $\overline{TH}$ and $\overline{CE}$ bisect each other at A
 Prove: $\triangle TAE \cong \triangle CAH$



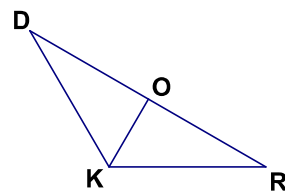
5. Given: $\overline{RO} \perp \overline{MF}$
 O is the midpoint of $\overline{MF}$
 Prove: $\triangle MOR \cong \triangle FOR$



6. Given: X is midpoint of $\overline{WZ}$
 $\overline{ZY} \parallel \overline{VW}$
 Prove: $\triangle WXV \cong \triangle ZXY$



7. Given: $\overline{KO}$ is the perpendicular bisector of $\overline{DR}$
 Prove: $\triangle ROK \cong \triangle DOK$



8. Given: $\overline{SA} \perp \overline{AR}$, $\overline{AR} \perp \overline{RE}$, B is the midpoint of $\overline{AR}$
 Prove: $\triangle SAB \cong \triangle ERB$

