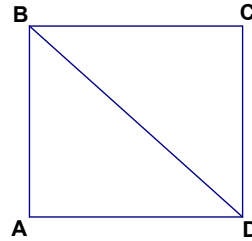


Name _____
Mr. Schlansky

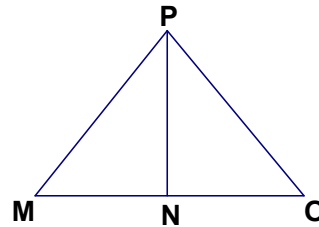
Date _____
Geometry

Triangle Proofs!

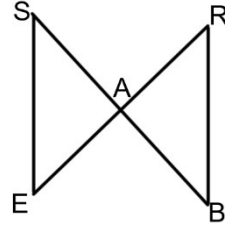
1. Given: $\overline{BD}$ bisects $\angle CDA$
 $\overline{AD} \cong \overline{DC}$
 Prove: $\triangle BAD \cong \triangle BCD$



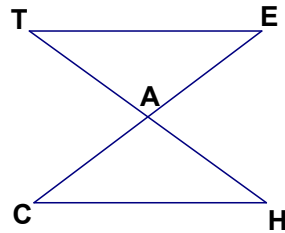
2. Given: $\overline{PN}$ is an altitude to $\overline{MO}$
 $\angle OPN \cong \angle MPN$
 Prove: $\triangle MPN \cong \triangle OPN$



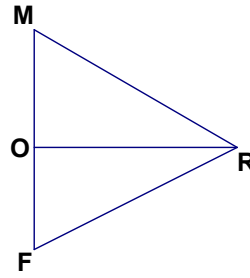
3. Given: $\overline{SE} \parallel \overline{RB}$ and $\overline{RE}$ bisects $\overline{CB}$
Prove: $\triangle ESA \cong \triangle RBA$



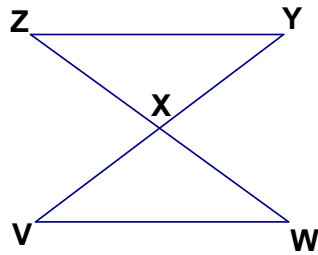
4. Given: $\overline{TH}$ and $\overline{CE}$ bisect each other at A
Prove: $\triangle TAE \cong \triangle CAH$



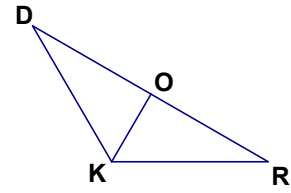
5. Given: $\overline{OR}$ bisects $\angle FRM$
 $\angle F \cong \angle M$
Prove: $\triangle MOR \cong \triangle FOR$



6. Given: X is midpoint of $\overline{WZ}$
 $\angle W \cong \angle Z$
Prove: $\triangle WXV \cong \triangle ZXY$



7. Given: $\overline{KO} \perp \overline{DR}$, $\overline{KD} \cong \overline{KR}$
 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: $\triangle SAB \cong \triangle ERB$

