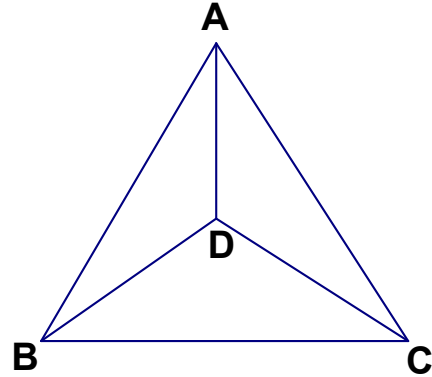


Name _____
Mr. Schlansky

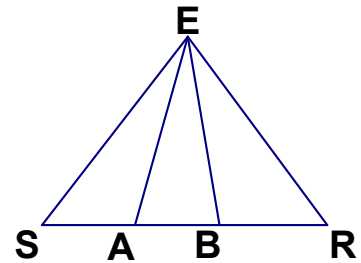
Date _____
Geometry

Isosceles Triangle Theorem

1. Given: $\angle ABC \cong \angle ACB$, $\overline{AD}$ bisects $\angle BAC$
Prove: $\overline{BD} \cong \overline{DC}$

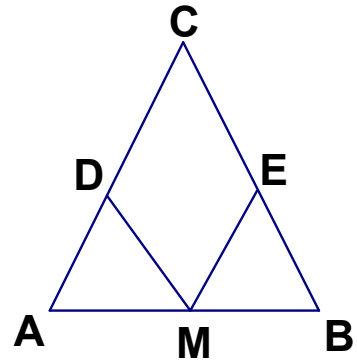


2. Given: $\overline{SA} \cong \overline{BR}$, $\overline{ES} \cong \overline{ER}$
Prove: $\triangle SEA \cong \triangle REB$



3. Given: Isosceles triangle ABC with $\overline{CA} \cong \overline{CB}$, M is the midpoint of $\overline{AB}$, $\overline{AD} \cong \overline{BE}$

Prove: $\overline{MD} \cong \overline{ME}$



4. Given: $\overline{MN} \cong \overline{NT}$, $\angle ROS \cong \angle RSO$, $\angle ORM \cong \angle SRT$

Prove: $\triangle MOR \cong \triangle TSR$

