

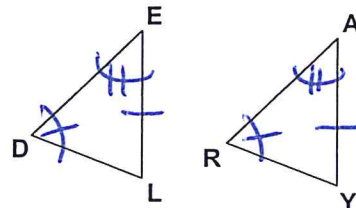
Name Schlansky
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Date _____
Geometry

Congruent Triangle Methods

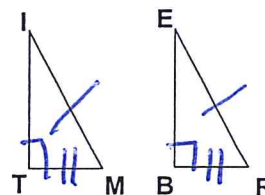
1. In the diagram below of $\triangle DEL$ and $\triangle RAY$, $\angle D \cong \angle R$, $\angle E \cong \angle A$, and $\overline{EL} \cong \overline{AY}$
Which of the follow could be used to prove that $\triangle DEL \cong \triangle RAY$?

- (1) ASA (3) AAS
(2) AA (4) SAS



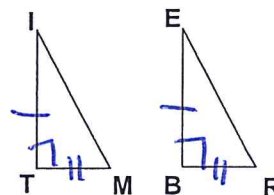
2. In the diagram below of $\triangle TIM$ and $\triangle BER$, $\angle T$ and $\angle B$ are right angles, $\overline{IM} \cong \overline{ER}$, and $\overline{TM} \cong \overline{BR}$
Which of the follow could be used to prove that $\triangle TIM \cong \triangle BER$?

- (1) ASS (3) HL
(2) AA (4) SAS



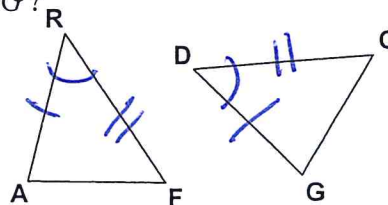
3. In the diagram below of $\triangle TIM$ and $\triangle BER$, $\angle T$ and $\angle B$ are right angles, $\overline{IT} \cong \overline{EB}$, and $\overline{TM} \cong \overline{BR}$
Which of the follow could be used to prove that $\triangle TIM \cong \triangle BER$?

- (1) ASS (3) HL
(2) AA (4) SAS



4. In the diagram below of $\triangle ARF$ and $\triangle DOG$, $\overline{GD} \cong \overline{AR}$, $\overline{RF} \cong \overline{DO}$, and $\angle D \cong \angle R$
Which of the follow could be used to prove that $\triangle ARF \cong \triangle DOG$?

- (1) AAS (3) HL
(2) ASA (4) SAS



5. In the diagram below, $\overline{ME} \cong \overline{ES}$, $\angle MEY \cong \angle SER$, and $\angle M \cong \angle S$
Which of the follow could be used to prove that $\triangle MEY \cong \triangle SER$?

- (1) AAS (3) HL
(2) ASA (4) SAS

