

4-4

Standardized Test Prep

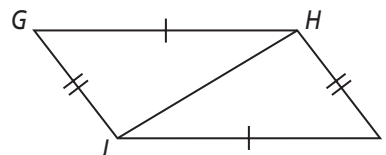
Using Corresponding Parts of Congruent Triangles

Multiple Choice

For Exercises 1–6, choose the correct letter.

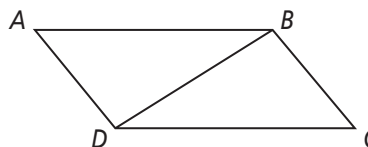
1. Based on the given information in the figure at the right, how can you justify that $\triangle JHG \cong \triangle HJI$?

- (A) ASA (C) AAS
(B) SSS (D) ASA



2. In the figure at the right the following is true: $\angle ABD \cong \angle CDB$ and $\angle DBC \cong \angle BDA$. How can you justify that $\triangle ABD \cong \triangle CDB$?

- (F) SAS (H) ASA
(G) SSS (I) CPCTC



3. $\triangle BRM \cong \triangle KYZ$. How can you justify that $\overline{YZ} \cong \overline{RM}$?

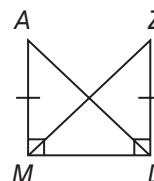
- (A) CPCTC (B) SAS (C) ASA (D) SSS

4. Which statement *cannot* be justified given only that $\triangle PBJ \cong \triangle TIM$?

- (F) $\overline{PB} \cong \overline{TI}$ (G) $\angle B \cong \angle I$ (H) $\angle BJP \cong \angle IMT$ (I) $\overline{JP} \cong \overline{MI}$

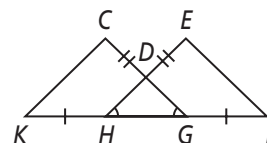
5. In the figure at the right, which theorem or postulate can you use to prove $\triangle ADM \cong \triangle ZMD$?

- (A) ASA (C) SAS
(B) SSS (D) AAS



6. In the figure at the right, which theorem or postulate can you use to prove $\triangle KGC \cong \triangle FHE$?

- (F) ASA (H) SAS
(G) SSS (I) AAS



Short Response

7. What would a brief plan for the following proof look like?

Given: $\overline{AB} \cong \overline{DC}$, $\angle ABC \cong \angle DCB$

Prove: $\overline{AC} \cong \overline{DB}$

