Name _____ Class _____ Date _____

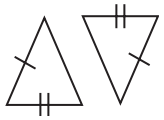
4-2 Standardized Test Prep

Triangle Congruence by SSS and SAS

Multiple Choice

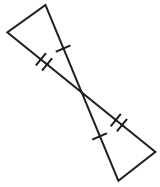
For Exercises 1–4, choose the correct letter.

1. Which pair of triangles can be proved congruent by SSS?

Ⓐ 

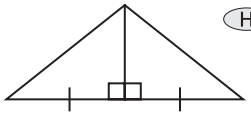
Ⓑ 

Ⓒ 

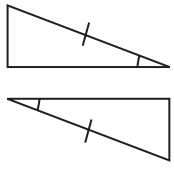
Ⓓ 

2. Which pair of triangles can be proved congruent by SAS?

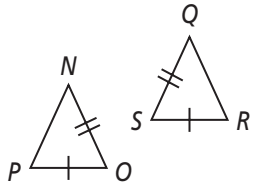
Ⓕ 

Ⓖ 

Ⓗ 

Ⓘ 

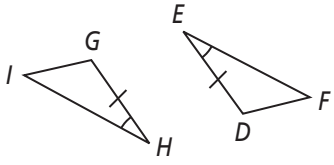
3. What additional information do you need to prove $\triangle NOP \cong \triangle QSR$?



Ⓐ $\overline{PN} \cong \overline{SQ}$ Ⓒ $\angle P \cong \angle S$

Ⓑ $\overline{NO} \cong \overline{QR}$ Ⓓ $\angle O \cong \angle S$

4. What additional information do you need to prove $\triangle GHI \cong \triangle DEF$?



Ⓕ $\overline{HI} \cong \overline{EF}$ Ⓗ $\angle F \cong \angle G$

Ⓖ $\overline{HI} \cong \overline{ED}$ Ⓘ $\overline{GI} \cong \overline{DF}$

Short Response

5. Write a two-column proof.

Given: M is the midpoint of $\overline{LS}$, $\overline{PM} \cong \overline{QM}$.

Prove: $\triangle LMP \cong \triangle SMQ$