

Why Did Mrs. Washington Go Into George's Bedroom Early in the Morning?

TO ANSWER THIS QUESTION FOLLOW THESE INSTRUCTIONS:

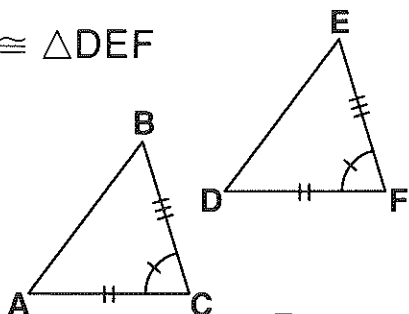
Two congruent triangles are indicated for each exercise. Assuming you know only that the marked parts are congruent, circle the theorem that proves the two triangles are congruent. Write the letter of the correct choice in each box at the bottom of the page that contains the exercise number.

① $\triangle ABC \cong \triangle DEF$

Ⓚ SSS

Ⓜ SAS

Ⓝ ASA

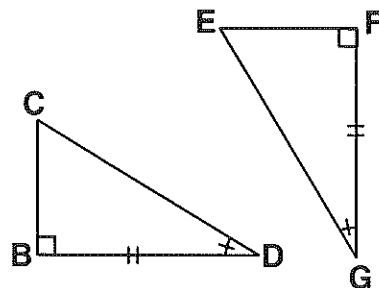


② $\triangle BCD \cong \triangle FEG$

Ⓚ SSS

Ⓜ SAS

Ⓝ ASA

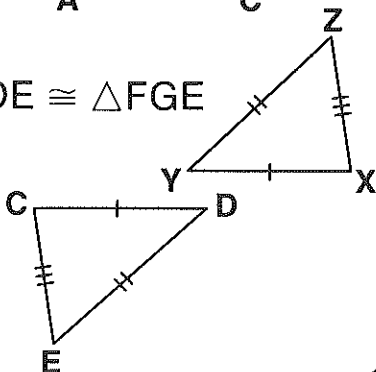


③ $\triangle CDE \cong \triangle FGE$

Ⓚ SSS

Ⓜ SAS

Ⓝ ASA

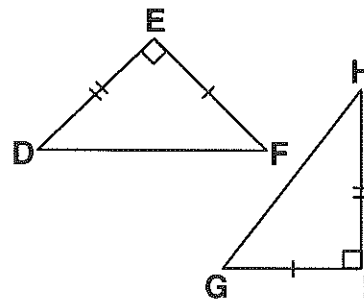


④ $\triangle DEF \cong \triangle HIG$

Ⓚ SSS

Ⓜ SAS

Ⓝ ASA

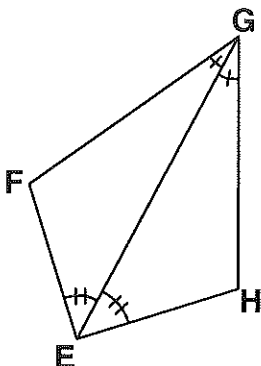


⑤ $\triangle EFG \cong \triangle EHG$

Ⓚ SSS

Ⓜ SAS

Ⓝ ASA

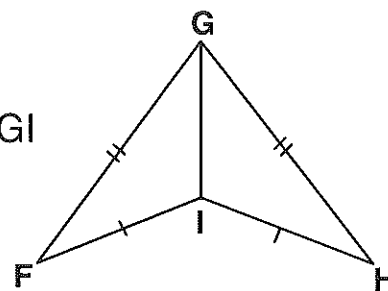


⑥ $\triangle FGI \cong \triangle HGI$

Ⓚ SSS

Ⓜ SAS

Ⓝ ASA

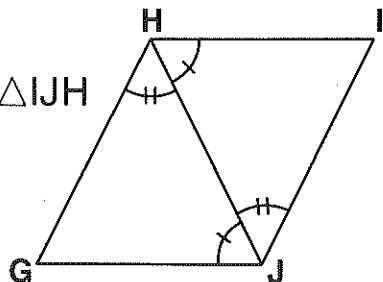


⑦ $\triangle GHJ \cong \triangle IJH$

Ⓚ SSS

Ⓜ SAS

Ⓝ ASA

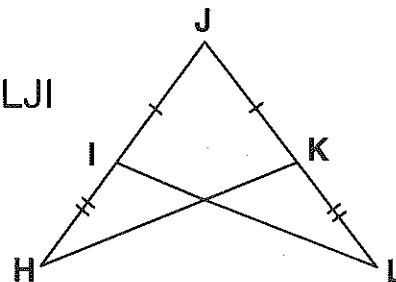


⑧ $\triangle HJK \cong \triangle LJI$

Ⓚ SSS

Ⓜ SAS

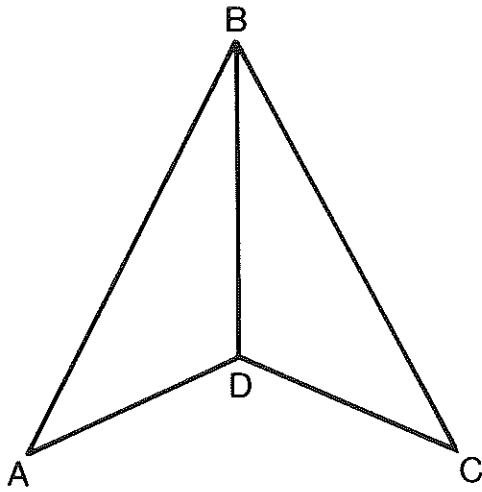
Ⓝ ASA



	5	2	8	7	7	5	1	7	8	2	6	4	3	8	7	
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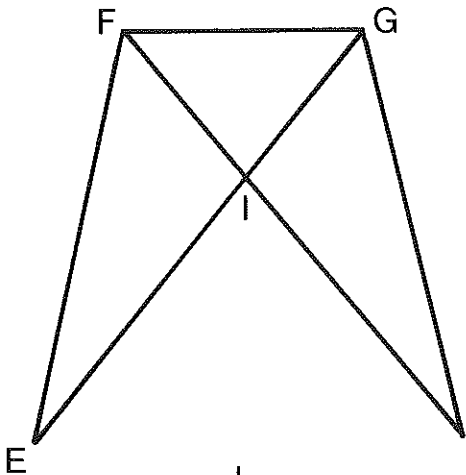
Triangle Treat

All the sides and angles are listed for each triangle. Find a pair of CORRESPONDING PARTS. One will have a number, and the other will have a letter. Write the letter in the box at the bottom of the page that contains the number of the corresponding part.



$$\triangle ABD \cong \triangle CBD$$

- | | |
|-------------------|-------------------|
| ① $\angle A$ | ⑤ \overline{BD} |
| ② $\angle ABD$ | ① $\angle CDB$ |
| ③ $\angle BDA$ | ⑥ $\angle C$ |
| ④ \overline{AB} | ② \overline{CD} |
| ⑤ \overline{BD} | ⑦ \overline{BC} |
| ⑥ \overline{AD} | ⑧ $\angle DBC$ |

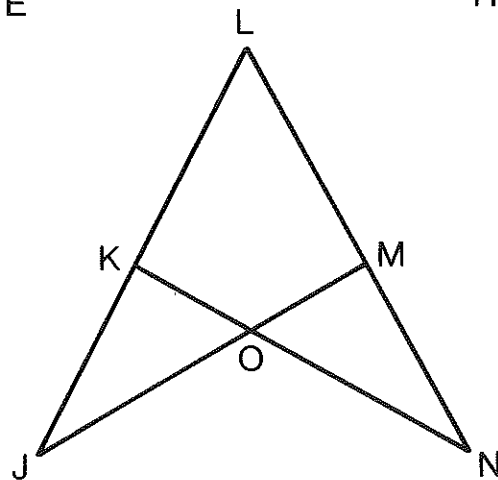


$$\triangle EFG \cong \triangle HGF$$

- | | |
|-------------------|-------------------|
| ⑦ $\angle E$ | ③ \overline{FH} |
| ⑧ $\angle EFG$ | ④ $\angle H$ |
| ⑨ $\angle FGE$ | ⑤ $\angle FGH$ |
| ⑩ \overline{EF} | ⑥ \overline{FG} |
| ⑪ \overline{FG} | ⑦ $\angle GFH$ |
| ⑫ \overline{GE} | ⑧ \overline{GH} |

$$\triangle EFI \cong \triangle HGI$$

- | | |
|-------------------|-------------------|
| ⑬ $\angle E$ | ⑨ $\angle HGI$ |
| ⑭ $\angle EFI$ | ⑩ \overline{IH} |
| ⑮ $\angle FIE$ | ⑪ $\angle GIH$ |
| ⑯ \overline{FE} | ⑫ \overline{GH} |
| ⑰ \overline{FI} | ⑬ $\angle H$ |
| ⑱ \overline{IE} | ⑭ \overline{GI} |



$$\triangle JLM \cong \triangle NLK$$

- | | |
|-------------------|-------------------|
| ⑲ $\angle J$ | ⑮ $\angle LKN$ |
| ⑳ $\angle L$ | ⑯ $\angle L$ |
| ㉑ $\angle LMJ$ | ⑰ \overline{KN} |
| ㉒ \overline{LJ} | ⑱ \overline{LN} |
| ㉓ \overline{LM} | ⑲ \overline{LK} |
| ㉔ \overline{MJ} | ⑳ $\angle N$ |

$$\triangle JKO \cong \triangle NMO$$

- | | |
|-------------------|-------------------|
| ㉕ $\angle J$ | ① \overline{ON} |
| ㉖ $\angle JKO$ | ② \overline{MO} |
| ㉗ $\angle KOJ$ | ③ $\angle NMO$ |
| ㉘ \overline{KJ} | ④ $\angle MON$ |
| ㉙ \overline{KO} | ⑤ $\angle N$ |
| ㉚ \overline{OJ} | ⑥ \overline{MN} |

5	25	7	17	8	23	13	28	1	18	24	3	22	11	14	6	20	16	30	2	15	27	21	4	12	26	29	9	19	10
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