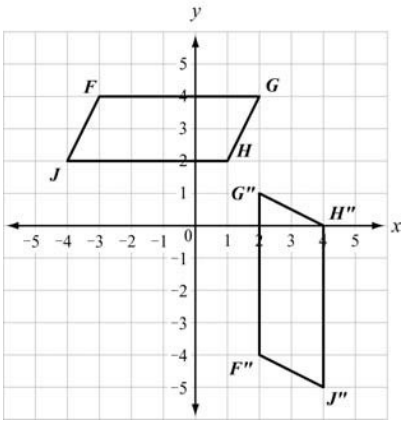
SAMPLE ITEMS

1. Parallelogram *FGHJ* was translated 3 units down to form parallelogram *F′G′H′J′*. Parallelogram *F′G′H′J′* was then rotated 90° counterclockwise about point *G′* to obtain parallelogram *F″G″H″J″*.

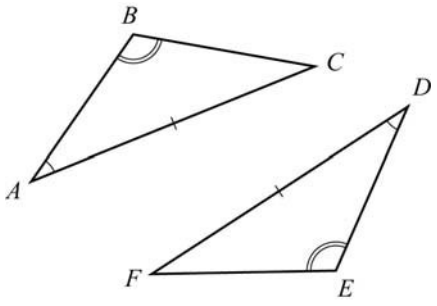


Which statement is true about parallelogram *FGHJ* and parallelogram *F″G″H″J″*?

A. The figures are both similar and congruent.
B. The figures are neither similar nor congruent.
C. The figures are similar but not congruent.
D. The figures are congruent but not similar.

Correct Answer: A

2. Consider the triangles shown.

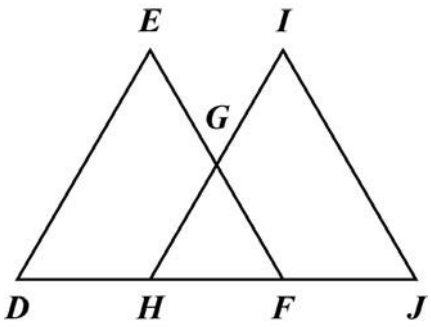


Which can be used to prove the triangles are congruent?

A. SSS
B. ASA
C. SAS
D. AAS

Correct Answer: D

3. In this diagram, $\overline{DE} \cong \overline{JI}$ and $\angle D \cong \angle J$.



Which additional information is sufficient to prove that $\triangle DEF$ is congruent to $\triangle JIH$?

A. $\overline{ED} \cong \overline{IH}$

B. $\overline{DH} \cong \overline{JF}$

C. $\overline{HG} \cong \overline{GI}$

D. $\overline{HF} \cong \overline{JF}$

Correct Answer: B