

Assignment 8.4 Geometry Constructions & Congruence

Describe your conclusions for each of the triangle relationships.

1. AAA – Angle-Angle-Angle Congruent: Yes No

Why?

2. SSS – Side-Side-Side Congruent: Yes No

Why?

3. SAS – Side-Angle-Side Congruent: Yes No

Why?

4. ASA – Angle-Side-Angle Congruent: Yes No

Why?

5. SSA – Side-Side-Angle Congruent: Yes No

Why?

6. AAS – Angle-Angle-Side Congruent: Yes No

Why?

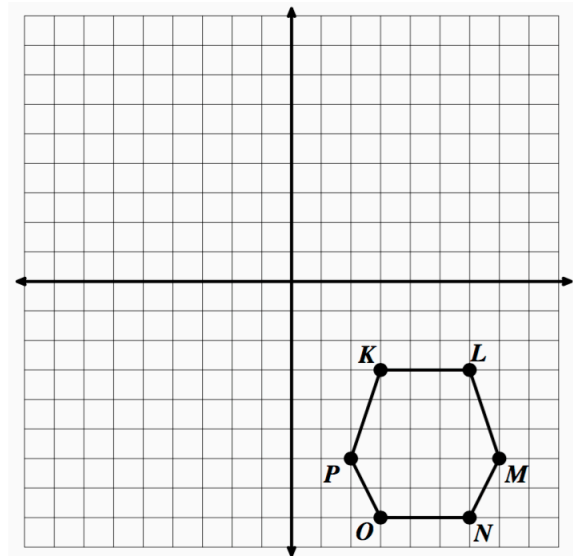
7. HL – Hypotenuse-Leg Congruent: Yes No

Why?

Refresh Your Memory

8. Reflect KLMNOP over the y-axis.
Label as K'L'M'N'O'P'

9. Rotate KLMNOP 90° counter-clockwise
around the origin.
Label as K''L''M''N''O''P''



10. Solve the system of equations using either substitution or elimination.

$$\begin{cases} 4x - y = 7 \\ -6x + 2y = 8 \end{cases}$$