G.CO.6 - G.CO.9

Congruency Statements

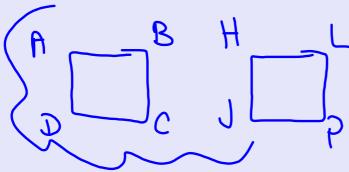
Transversals

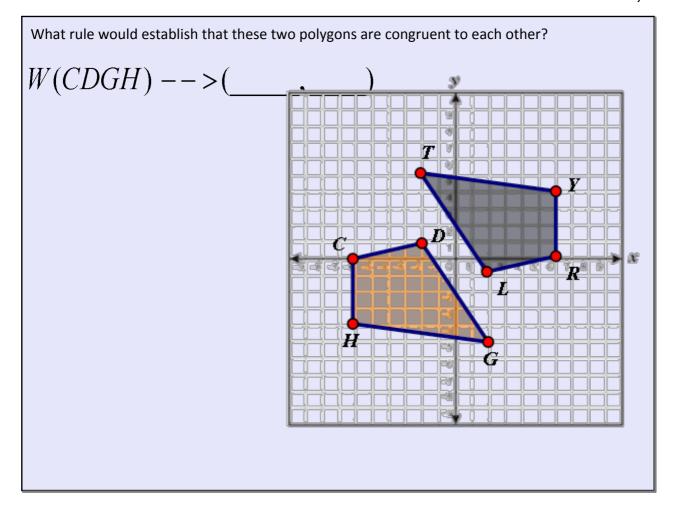
Congruence Criteria

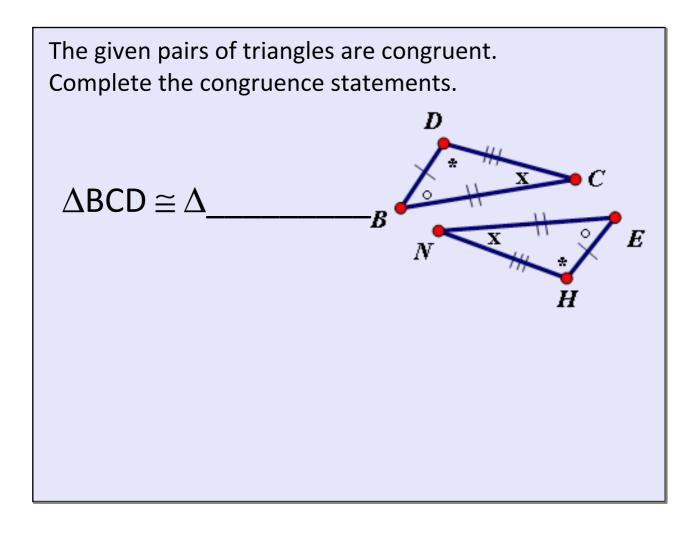
Quadrilateral ABCD is congruent to Quadrilateral HJLP. Complete the following congruent statements.

a)
$$\angle B \cong \angle \frac{\mathsf{J}}{\mathsf{D}}$$
 b) $\overline{LP} \cong \overline{\mathsf{CP}}$ c) $\angle P \cong \angle \overline{\mathsf{D}}$

$$\overline{DA} = \mathcal{P}\mathcal{H}$$

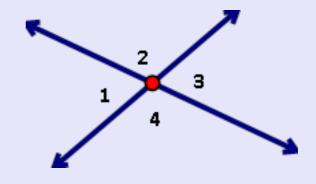






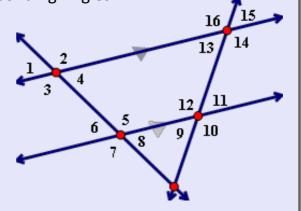
If $m\angle 2 = 127^{\circ}$, then the $m\angle 4 =$

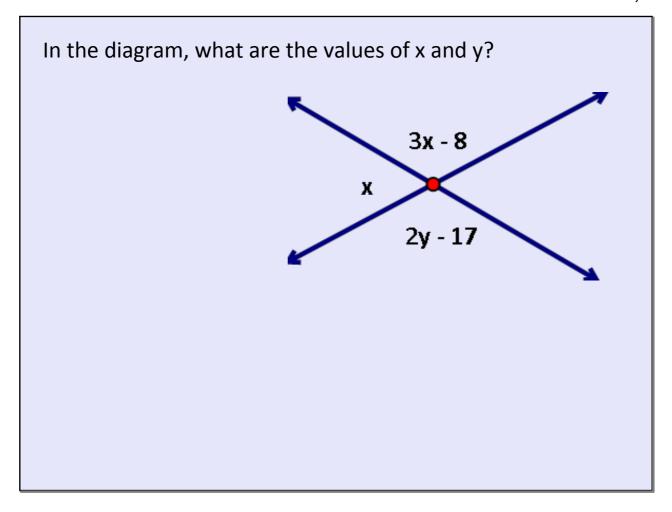
- A) 53° B) 63° C) 127° D) 147°

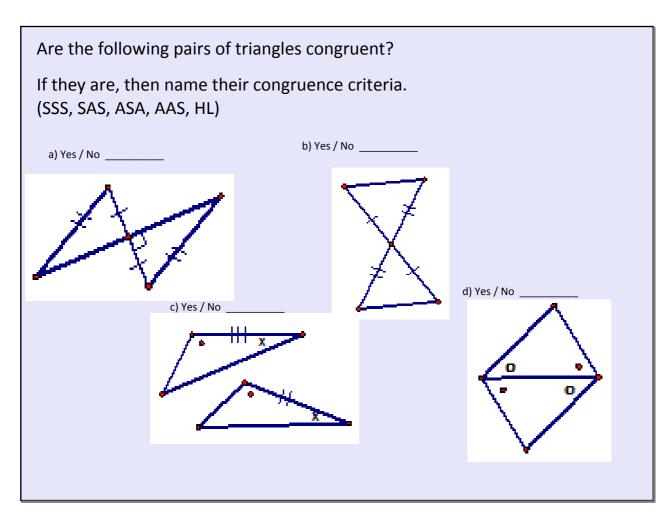


Determine the correct name for $\angle 4$ and $\angle 8$.

- A) Same Side Interior
- B) Alternate Interior Angles
- C) Alternate Exterior Angles D) Corresponding Angles



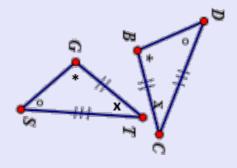




Which of the following rules could represent a transformation that mapped one shape onto to another to establish their congruence?

- a. K(x, y) ----> (x-3,3y)
- b. K(x, y) ----> (2x, y)
- C. K(x, y) ---->(-y, x+2)
- d. K(x,y) ----> (5x,5y)

The given pairs of triangles are congruent. Complete the congruence statements.

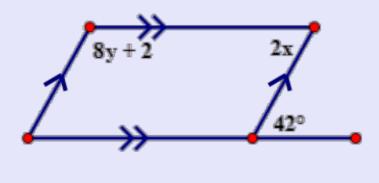


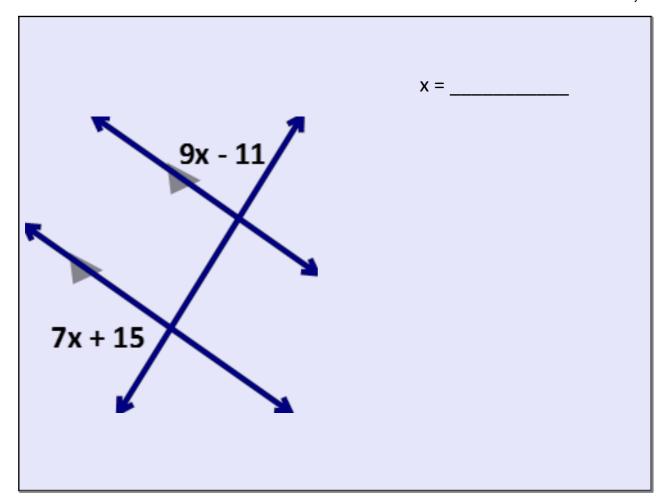
 $\Delta TSG \cong \Delta$ _____

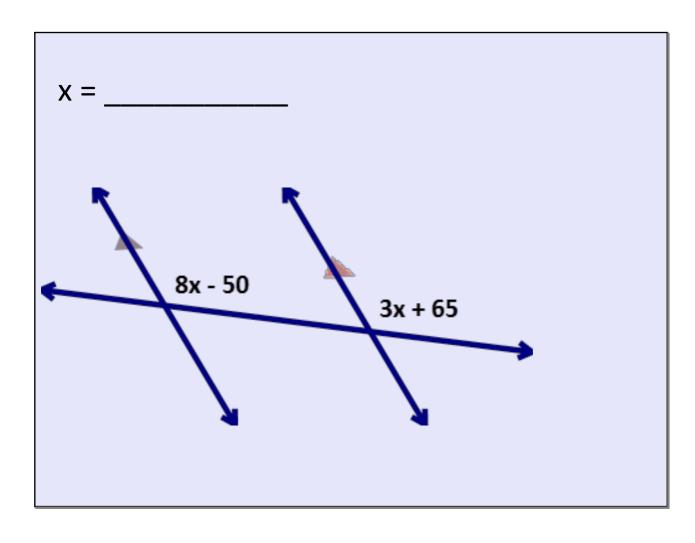
In Δ ABC, the included angle of \overline{AB} and \overline{BC} is:

Solve the following.

x = _____ y = ____







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