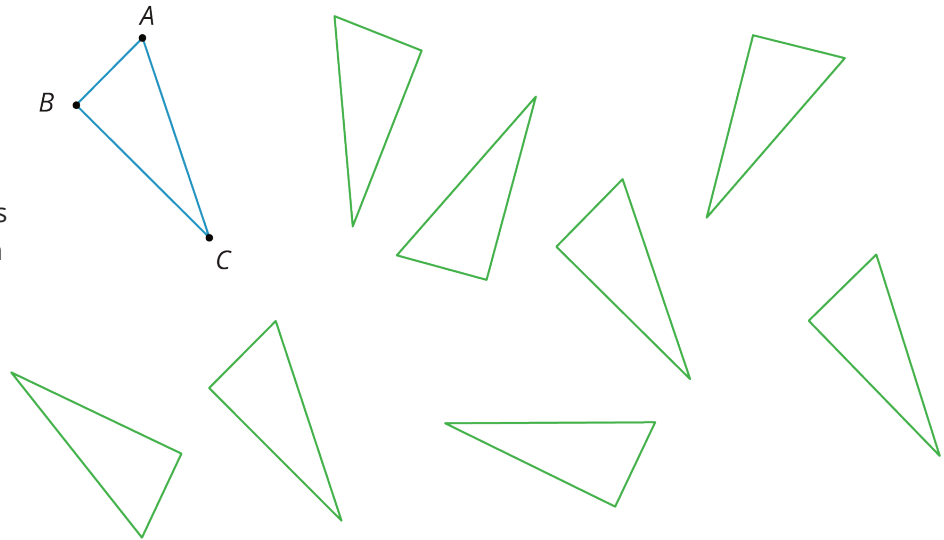


Unit 1 Lesson 11: Congruence

1 Translated Images (Warm up)

Student Task Statement

All of these triangles are congruent. Sometimes we can take one figure to another with a translation. Shade the triangles that are images of triangle ABC under a translation.

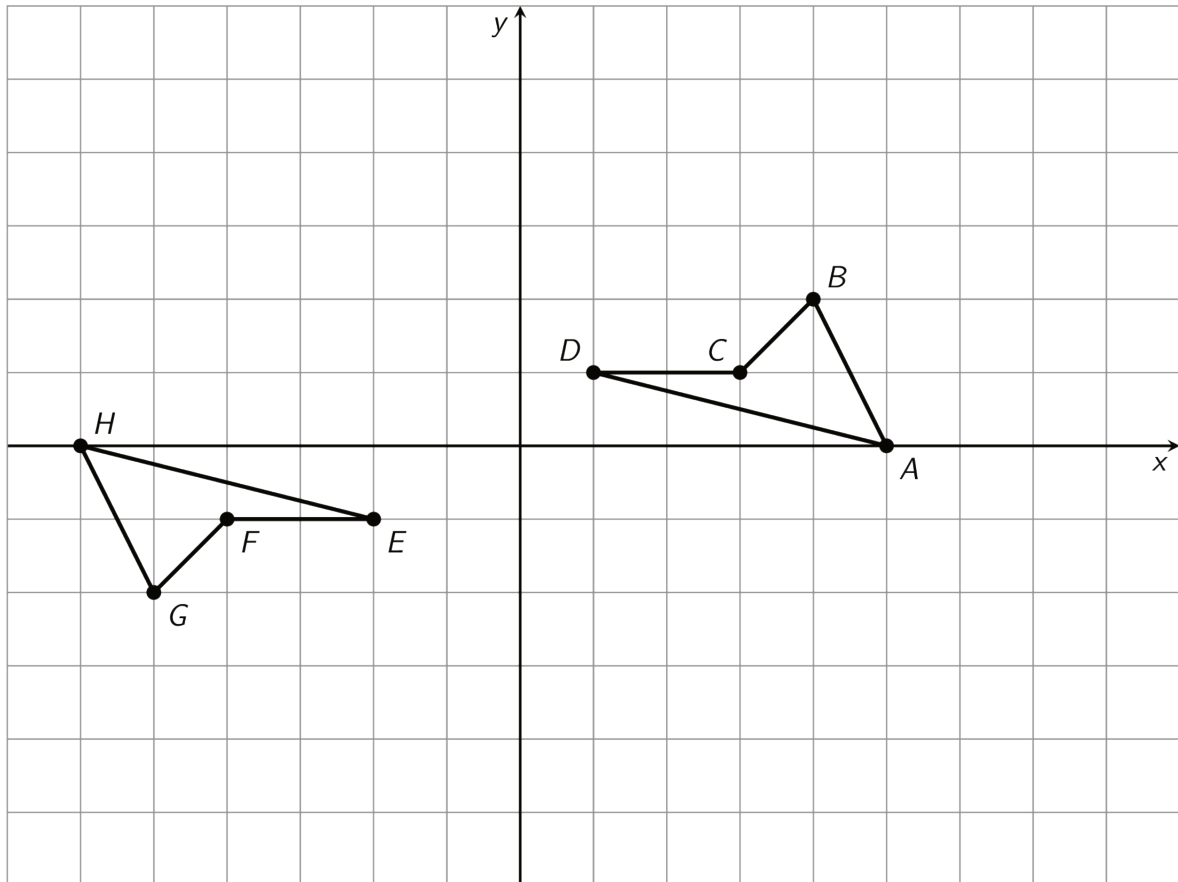


2 Congruent Pairs

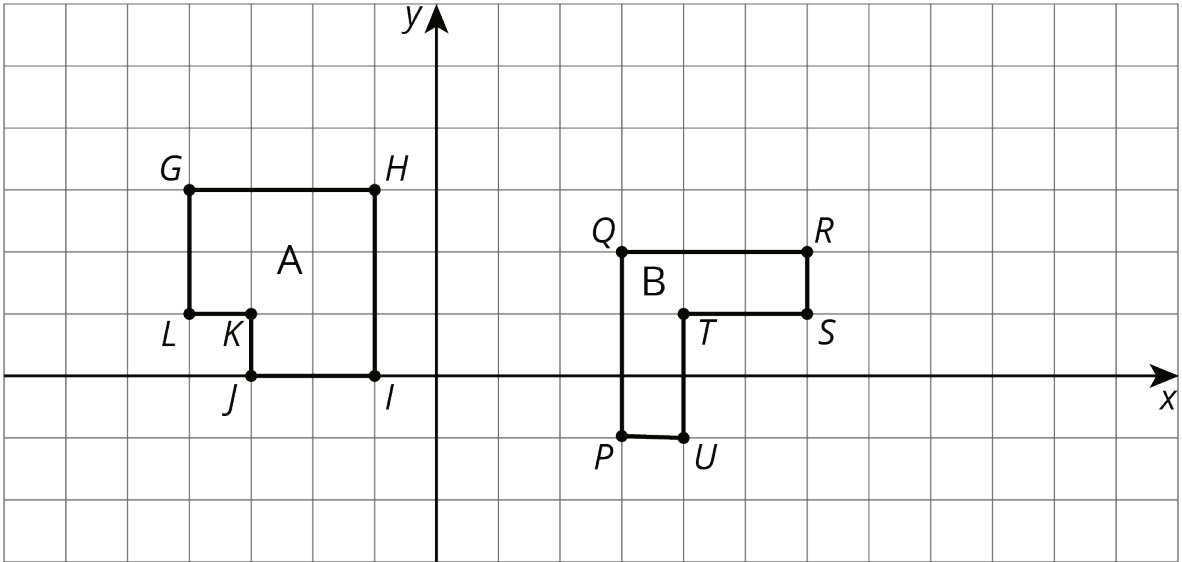
Student Task Statement

For each of the following pairs of shapes, decide whether or not they are congruent. Explain your reasoning.

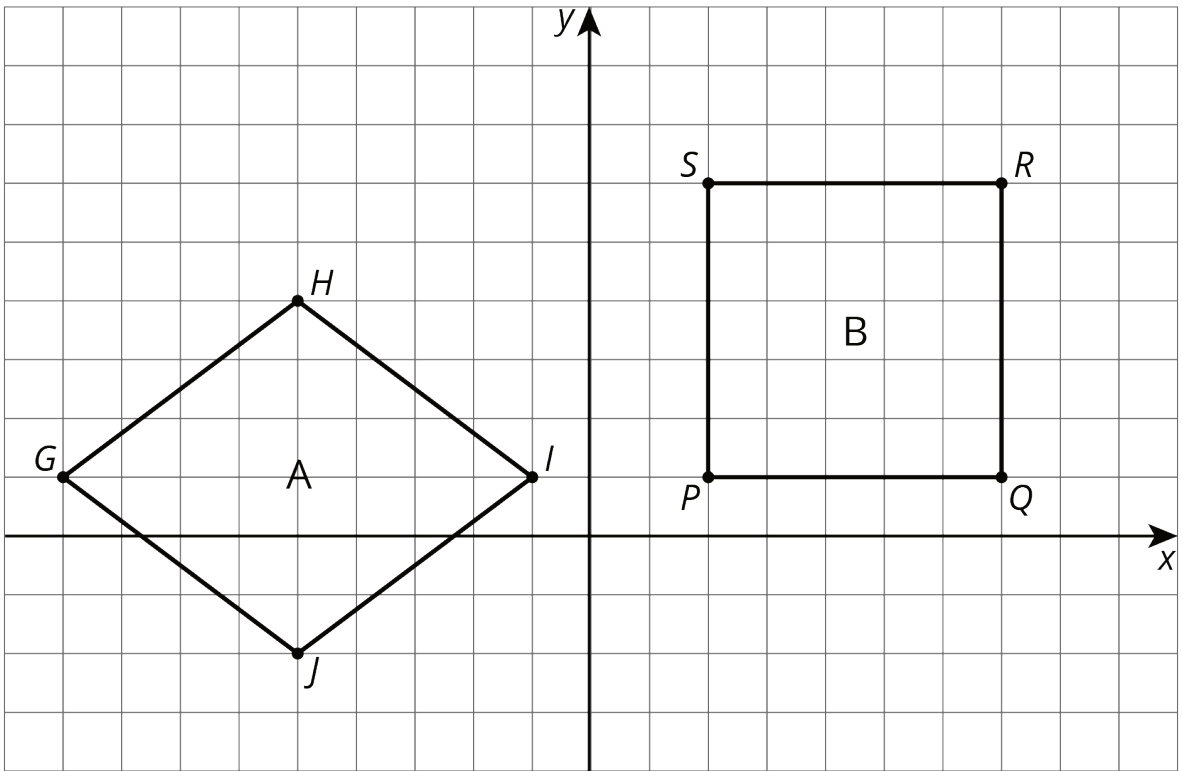
1.



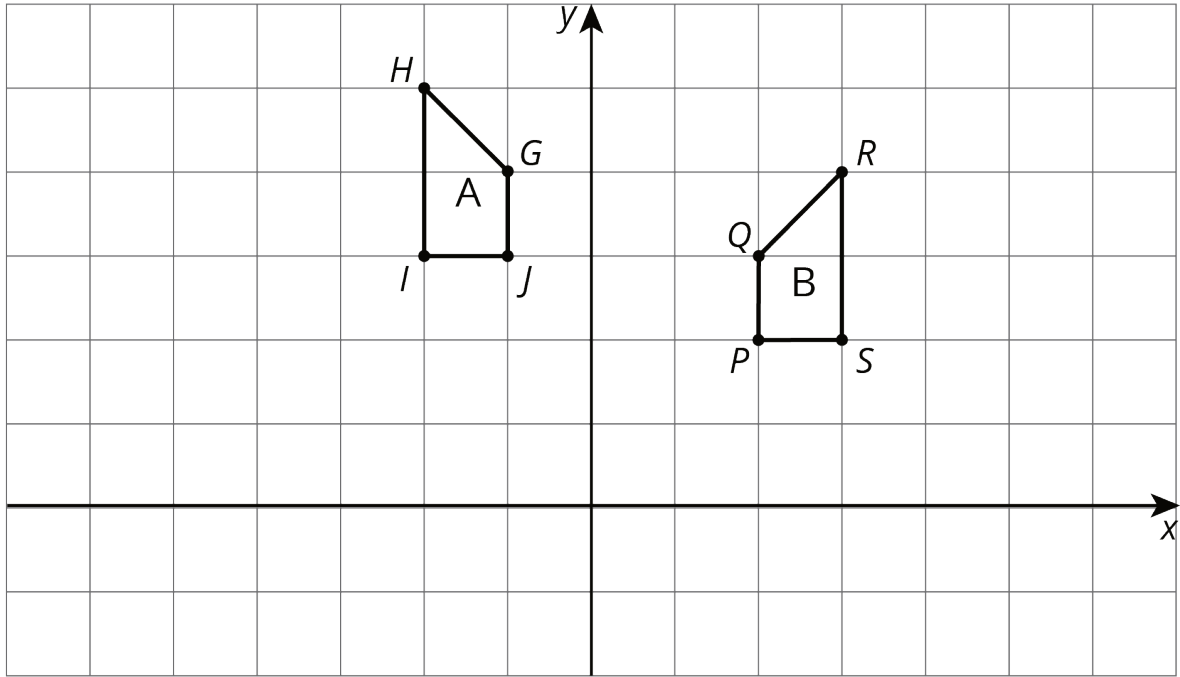
2.



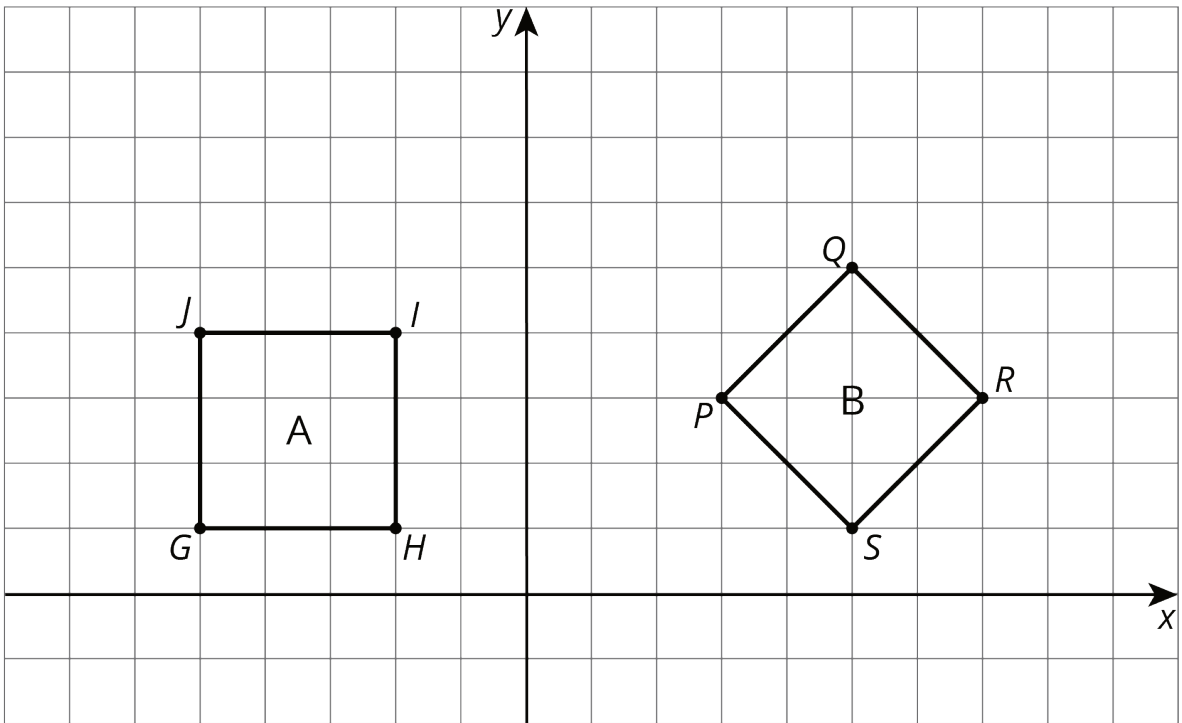
3.



4.



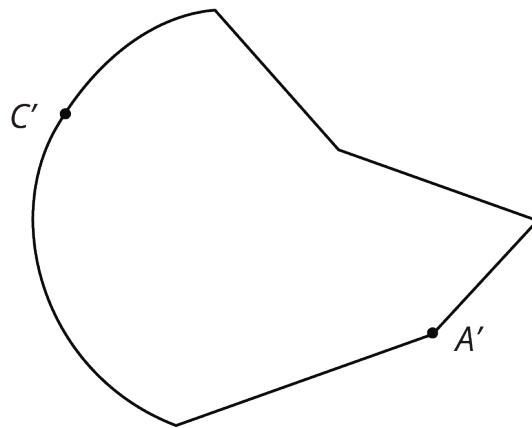
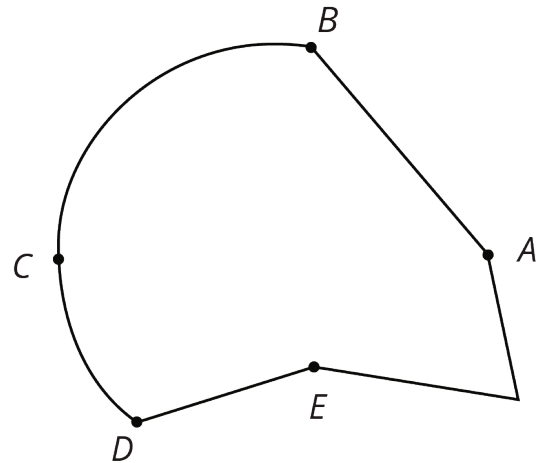
5.



3 Corresponding Points in Congruent Figures

Student Task Statement

Here are two congruent shapes with some corresponding points labeled.



1. Draw the points corresponding to B , D , and E , and label them B' , D' , and E' .
2. Draw line segments AD and $A'D'$ and measure them. Do the same for segments BC and $B'C'$ and for segments AE and $A'E'$. What do you notice?
3. Do you think there could be a pair of corresponding segments with different lengths? Explain.