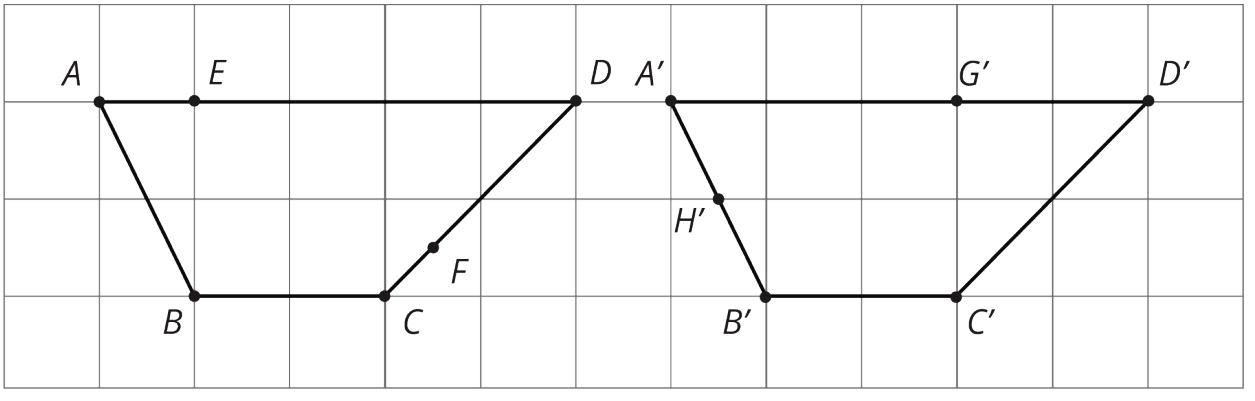
Unit 1 Lesson 13: Congruence

1 Not Just the Vertices (Warm up)

Student Task Statement

Trapezoids $ABCD$ and $A'B'C'D'$ are congruent.

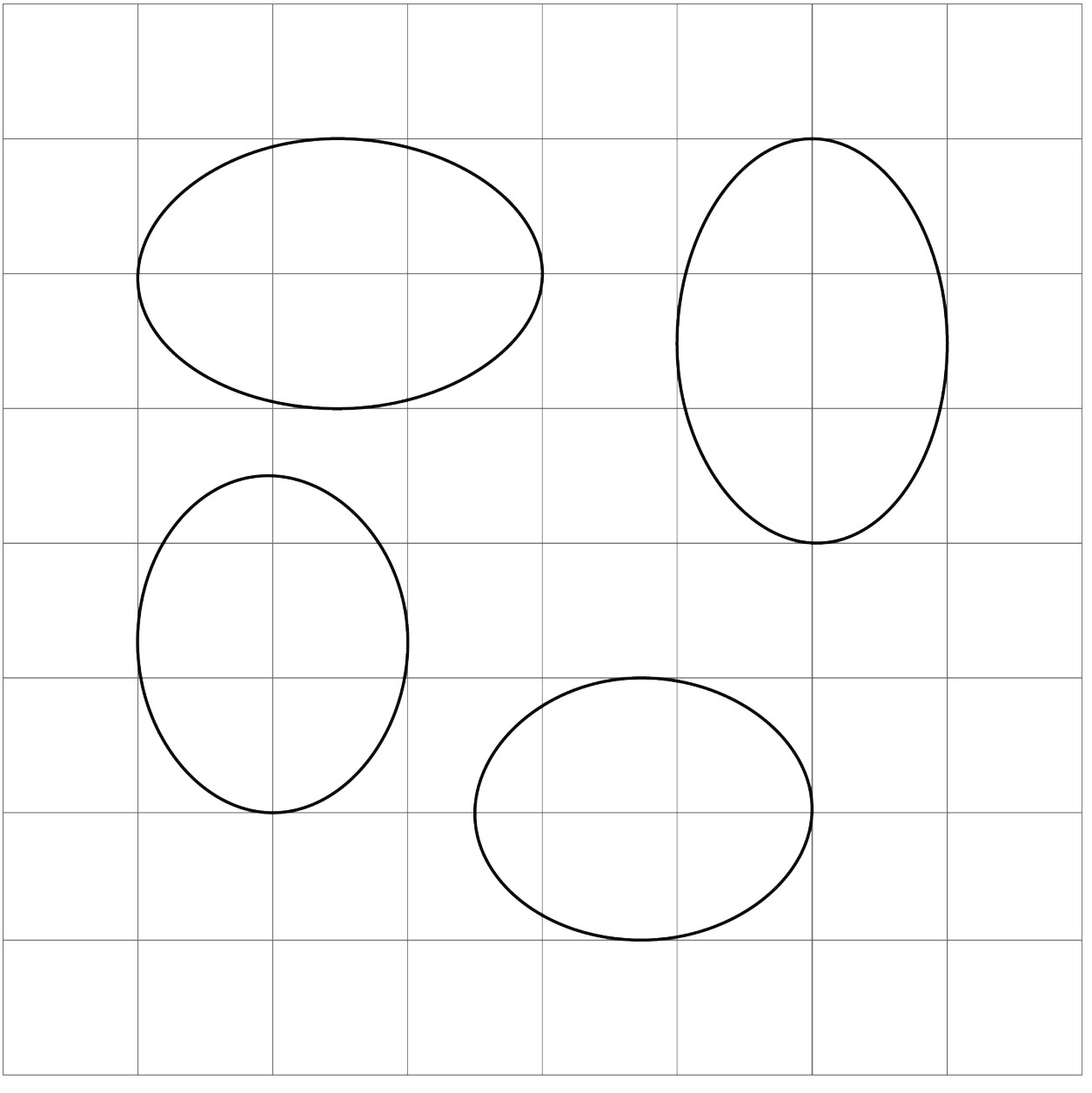
- Draw and label the points on $A'B'C'D'$ that correspond to E and F.
- Draw and label the points on $ABCD$ that correspond to G' and H'.
- Draw and label at least three more pairs of corresponding points.



2 Congruent Ovals

Student Task Statement

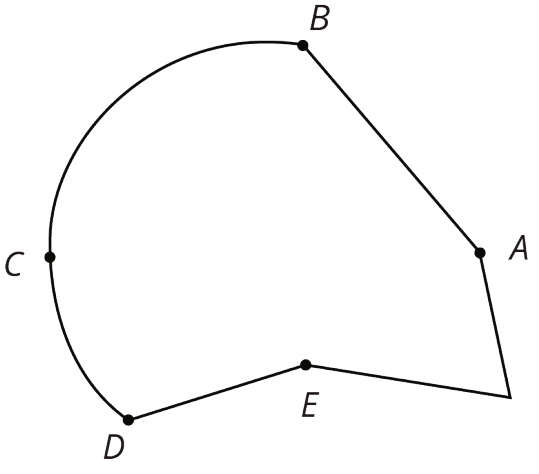
Are any of the ovals congruent to one another? Explain how you know.

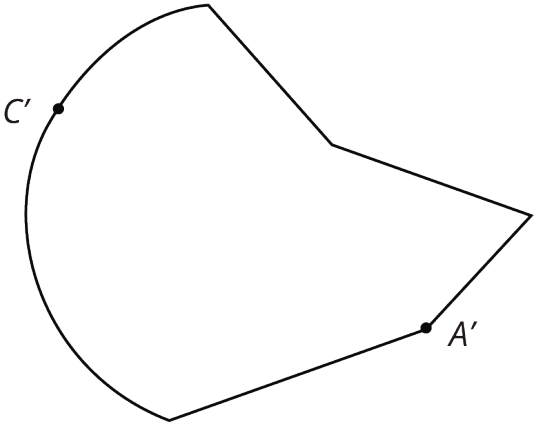


3 Corresponding Points in Congruent Figures

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'.

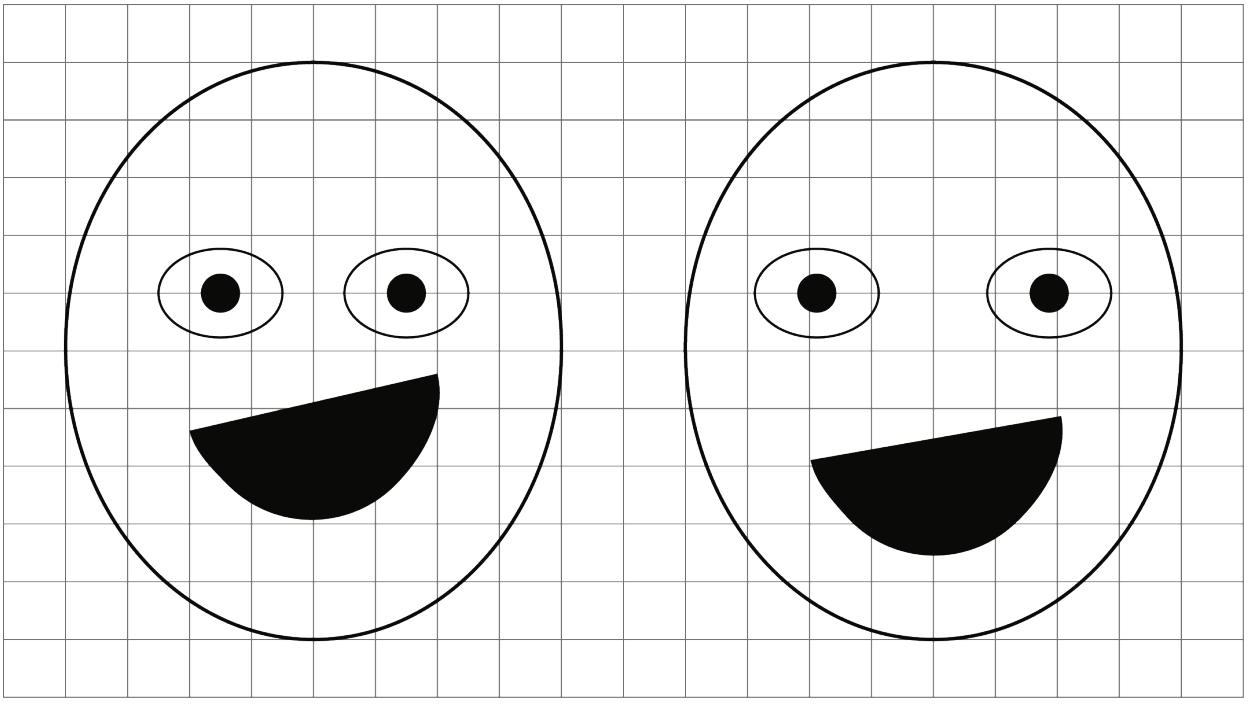
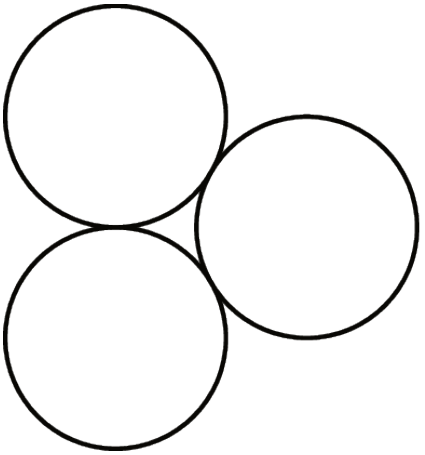
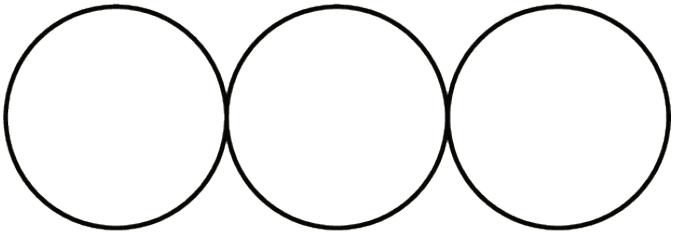
2. Draw line segments AD and $A'D'$ and measure them. Do the same for segments BC and $B'C'$ and for segments AE and $A'E'$. What do you notice?

3. Do you think there could be a pair of corresponding segments with different lengths? Explain.

4 Astonished Faces (Optional)

Student Task Statement

Are these faces congruent? Explain your reasoning.



Images for Activity Synthesis