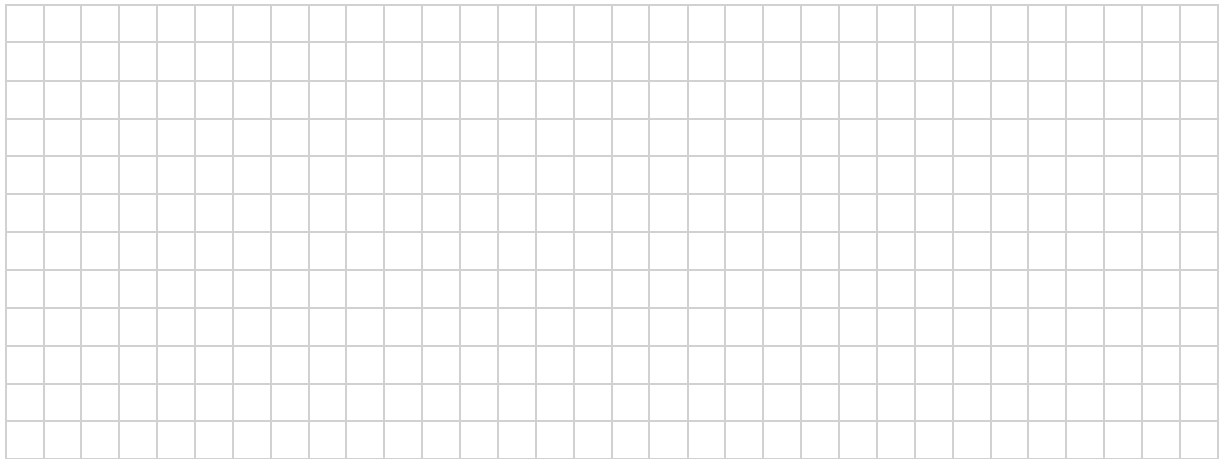
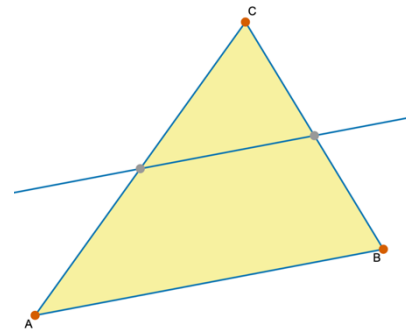
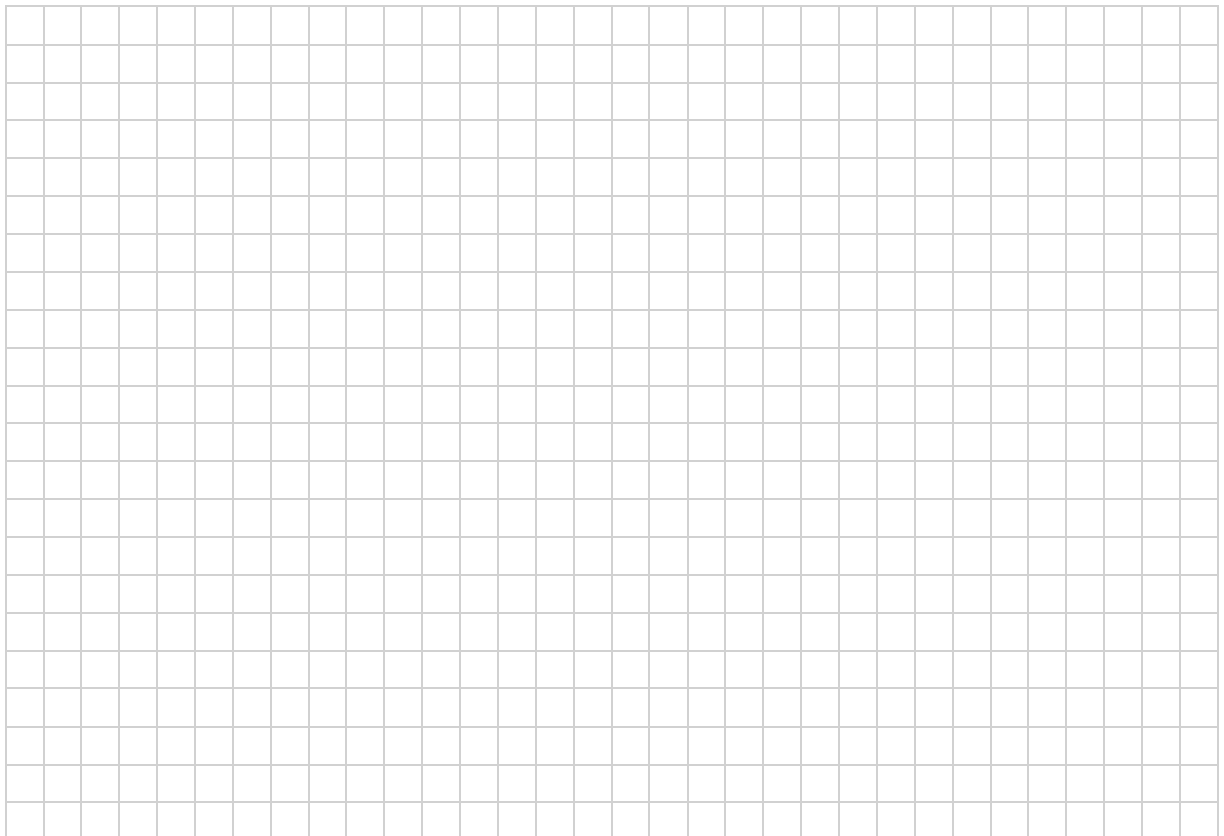


Midpoint Quadrilateral

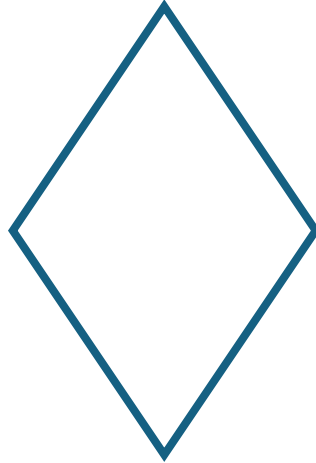
1. Why is a line through the midpoints of two sides of a triangle parallel to the third side of the triangle?
Find an explanation.



2. Draw the midpoint quadrilateral of a square. Compare the areas of the square and the midpoint quadrilateral.



3. The rhombus below is the midpoint quadrilateral of quadrilateral $ABCD$.
Construct the original quadrilateral $ABCD$.



4. The Swiss artist Eugen Jost created the following painting.
- ▶ Describe the structure of the painting.
 - ▶ Compare the areas of the midpoint quadrilaterals beginning with the outer square.

