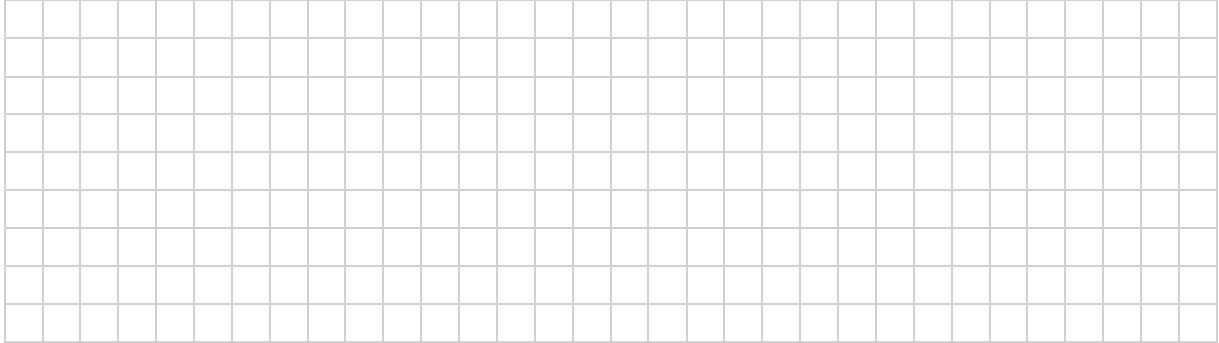
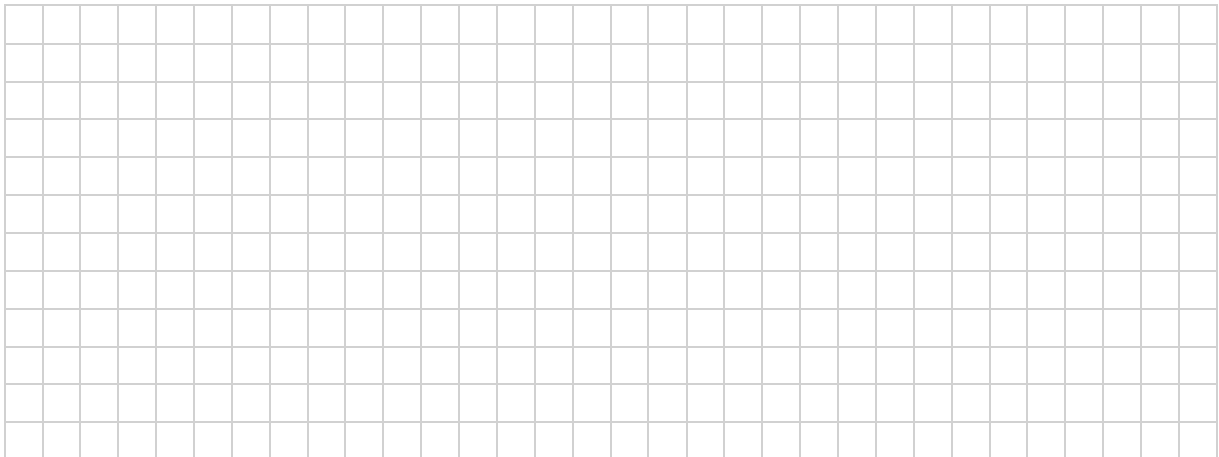


Midpoint Quadrilateral

- ▶ What special shape does the midpoint quadrilateral of a general quadrilateral have? Write down your conjecture.



- ▶ Draw the diagonals of the quadrilateral $ABCD$. Now look at the triangles ACD and CBA and at the triangles DBC and BDA respectively. Write down a proof for your conjecture.



- ▶ Use the grid lines to create special quadrilateral shapes such as square, rhombus, rectangle and parallelogram. What shape do the center quadrilaterals have?

