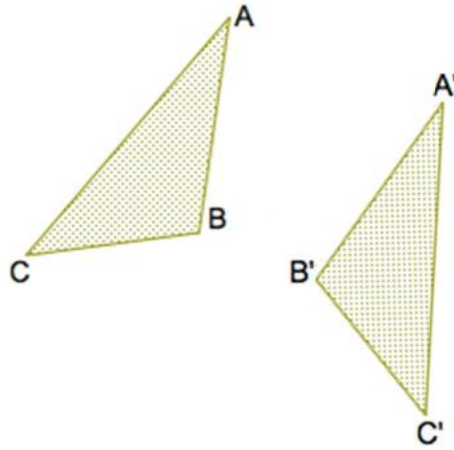


In the figure below, there is a reflection that transforms $\triangle ABC$ to triangle $\triangle A'B'C'$.

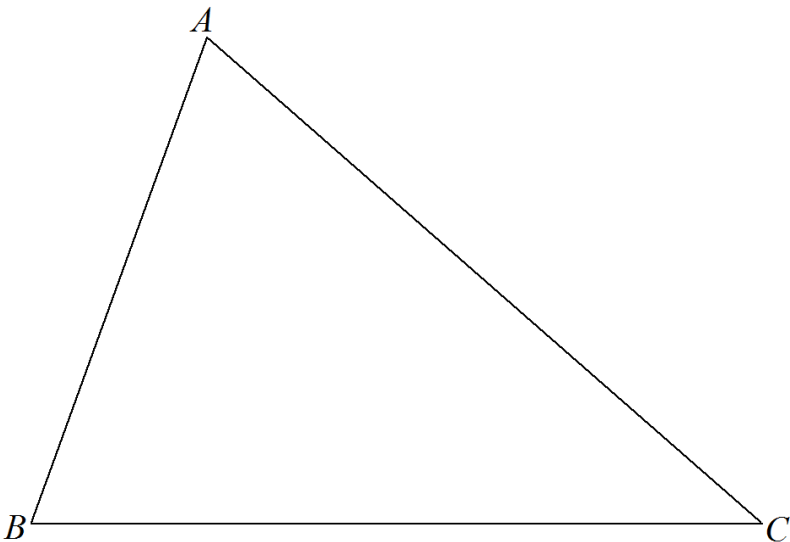
Use a straightedge and compass to construct the line of reflection and list the steps of the construction.



Construct a square $ABCD$ with side \overline{AB} . List the steps of the construction.



Construct the perpendicular bisector of \overline{AB} , \overline{BC} , and \overline{CA} on the triangle below. What do you notice about the segments you have constructed?



Find the centers of rotation and angles of rotation for Exercises 4 and 5.

4.

