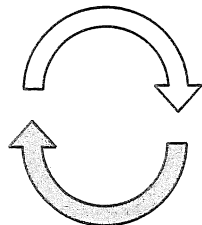


Practice C

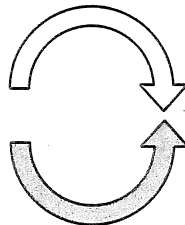
For use with pages 396–402

Name the transformation that maps the unshaded arrow (preimage) onto the shaded arrow (image).

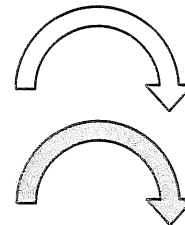
1.



2.

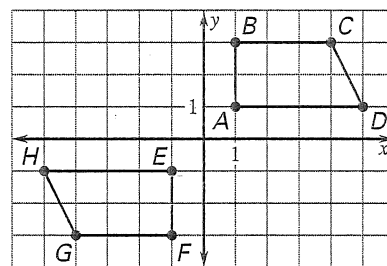


3.



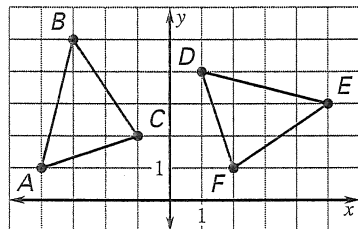
Use the graph of the transformation below. $ABCD$ is the preimage.

4. Figure $ABCD \rightarrow$ Figure _____.
5. Name and describe the transformation.
6. Name the image of \overline{CD} .
7. Name the preimage of \overline{FG} .
8. Name the coordinates of the preimage of point H .
9. Sketch the image that results when figure $ABCD$ is reflected over the x -axis followed by a reflection over the y -axis.

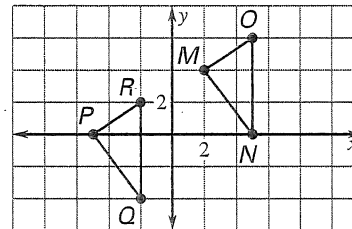


Show that the transformation is an isometry by using the Distance Formula to compare the side lengths of the triangles.

10. $\triangle ABC \rightarrow \triangle DEF$

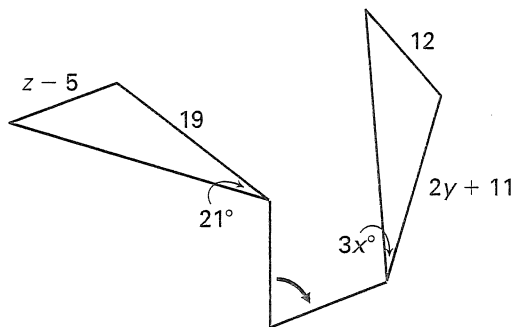


11. $\triangle PQR \rightarrow \triangle MNO$



Find the value of each variable, given that the transformation is an isometry.

12.



13.

