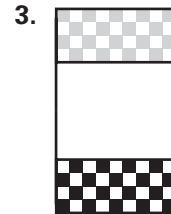
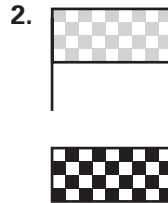
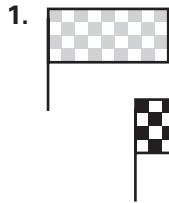


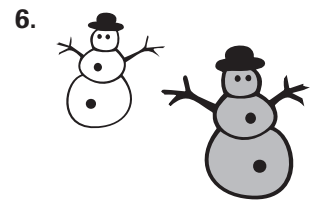
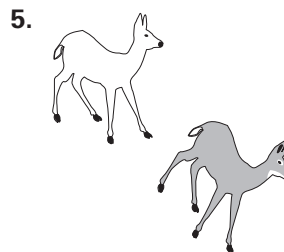
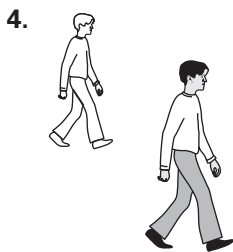
Practice A

For use with pages 396–402

Name the transformation that maps the lighter checkered flag (preimage) onto the darker checkered flag (image).



Decide whether the transformation is an isometry. If it is, name the transformation. (Preimages are unshaded; images are shaded.)



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

7. Figure $ABCDE \rightarrow$ Figure _____.

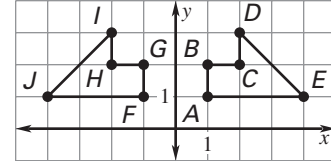
8. Name and describe the transformation.

9. Name the image of $\overline{CD}$.

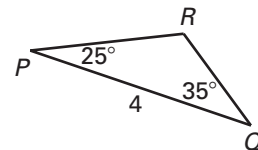
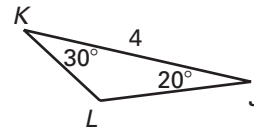
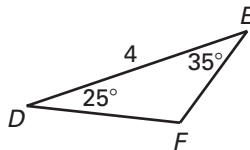
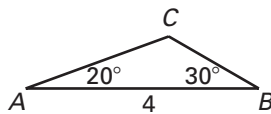
10. Name the preimage of $\overline{FJ}$.

11. Name the coordinates of the preimage of point I .

12. Show that $\overline{DE}$ and $\overline{IJ}$ have the same length, using the Distance Formula.



Use the diagrams to complete the statement.



13. $\triangle ABC \rightarrow \triangle$ _____ ?

14. $\triangle DEF \rightarrow \triangle$ _____ ?

15. $\triangle$ _____ ? $\rightarrow \triangle ACB$

16. $\triangle$ _____ ? $\rightarrow \triangle CBA$

17. $\triangle RQP \rightarrow \triangle$ _____ ?

18. $\triangle$ _____ ? $\rightarrow \triangle EFD$

Sketch the preimage if the image was transformed by the following.

19. Reflection



20. Rotation of 180° clockwise



21. A non-rigid transformation

