

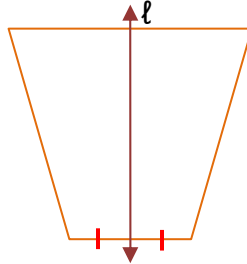
Name _____

Date _____

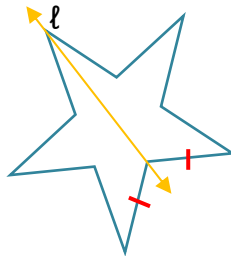
Rigid Motions to Transform Figures - Independent Practice Worksheet

Complete all the problems. Make sure to draw pictures to help you solve the problems.

1. Describe the transformation that would carry this shape onto itself?



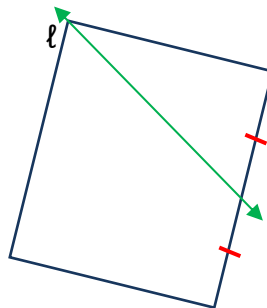
2.



Which of the following transformations carry this regular polygon onto itself?

- a) Rotation of 50° clockwise
- b) Rotation of 60° counterclockwise
- c) Reflection across l
- d) Rotation across l and 72° clockwise/counterclockwise rotation.

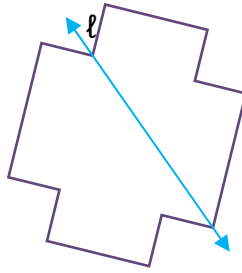
3. What transformation would fold this shape onto itself?



Name _____

Date _____

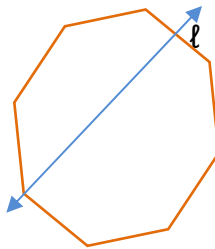
4.



Which of the following transformations carry this regular polygon onto itself?

- a) Rotation of 50° clockwise
- b) Rotation of 60° counterclockwise
- c) Rotation of 120° counterclockwise
- d) Rotation of 180° counterclockwise

5.



Which of the following transformations carry this regular polygon onto itself?

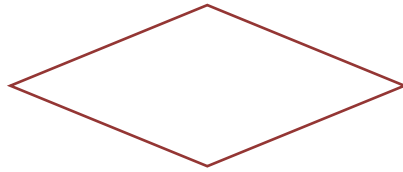
- a) Rotation of 55° clockwise
- b) Rotation of 60° counterclockwise
- c) Rotation of 40° counterclockwise
- d) Rotation of 45° counterclockwise



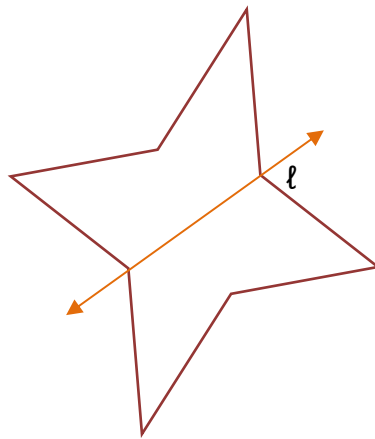
Name _____

Date _____

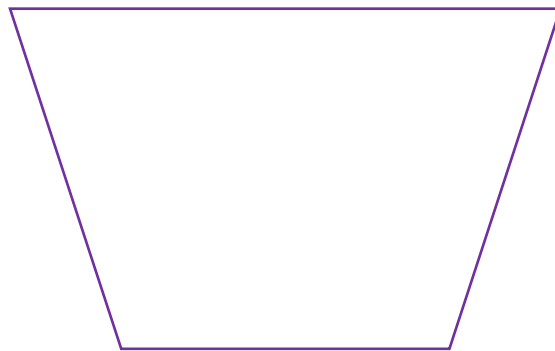
6. Describe the transformation that would carry this shape onto itself.



7. Describe the transformation that would carry this shape onto itself.



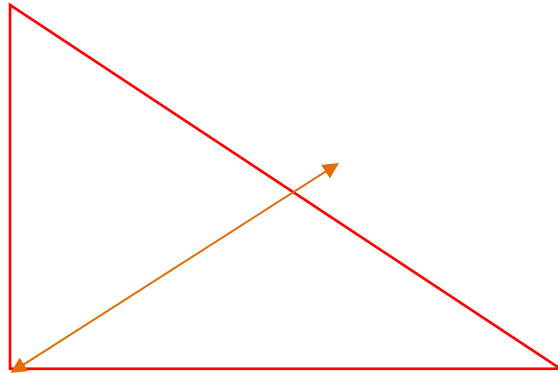
8. Describe the transformation that would carry this shape onto itself.



Name _____

Date _____

9. Which of the transformations would carry this regular polygon onto itself?



10. Which of the following transformations carry the regular pentagon onto itself?

- a) Rotation of 72° clockwise
- b) Rotation of 60° counterclockwise
- c) Rotation of 40° counterclockwise
- d) Rotation of 45° counterclockwise

