

Name _____

Date _____

LESSON
9.6

Practice A

For use with pages 619–624

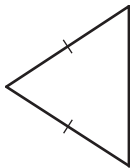
If you turn this in on time: do the odds.
If you turn this in late or
you are doing it over: do the evens.

Student
score:
How well
do you feel
you understand
this learning
target:

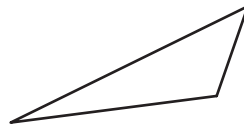
A
B
C
D
E
F

How many lines of symmetry does the triangle have?

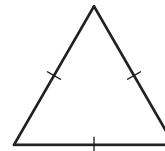
1.



2.



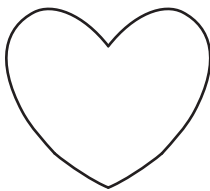
3.



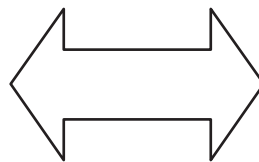
Teacher
Score:

Determine whether the figure has rotational symmetry. If so, describe any rotations that map the figure onto itself.

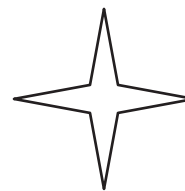
4.



5.



6.

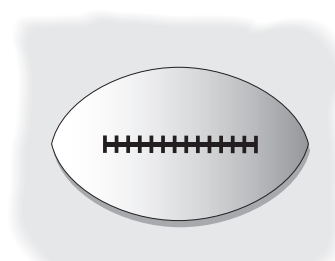


Identify the line symmetry and rotational symmetry of the figure shown.

7.



8.



In Exercises 9–12, use the description to draw a figure. If not possible, write *not possible*.

9. A triangle with exactly two lines of symmetry

10. A regular hexagon with no rotational symmetry

11. A trapezoid with exactly one line of symmetry

12. A quadrilateral with exactly two lines of symmetry

LESSON
9.6**Practice A** *continued*
For use with pages 619–624

- 13. Error Analysis** Describe and correct the error made in describing the symmetry of the figure.



The figure has one line of symmetry and 180° rotational symmetry.

Determine whether the entire word has line symmetry and whether it has rotational symmetry. Identify all lines of symmetry and angles of rotation that map the entire word onto itself.



In Exercises 18–20, use the cover of a first aid kit shown.

- 18.** Find the number of lines of symmetry for the first aid kit cover.
- 19.** Find the number of lines of symmetry for the shaded figure.
- 20.** Does the first aid kit cover have rotational symmetry? If so, describe a rotation that maps the pattern onto itself.

