

Name _____ Date _____

Cookie Cutters Symmetry

Vocabulary

Provide a diagram, an explanation, and an example of each key term.

1. line of symmetry

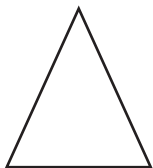
2. rotational symmetry

3. line symmetry

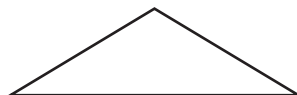
Problem Set

Determine whether each figure exhibits line symmetry. If so, draw the line of symmetry.

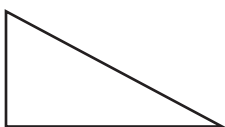
4.



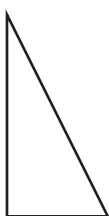
5.



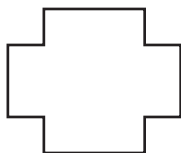
6.



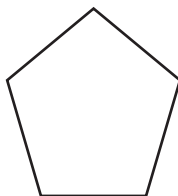
7.



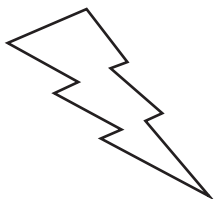
8.



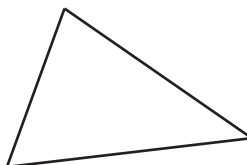
9.



10.



11.



12.



13.



Name _____ Date _____

Determine how many lines of symmetry each shape has. Draw a diagram that shows the line(s) of symmetry.

14. How many lines of symmetry are there in a parallelogram with four equal sides?

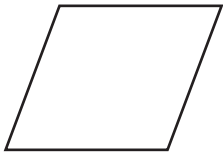
15. How many lines of symmetry are there in a regular pentagon?

16. How many lines of symmetry are there in an equilateral triangle?

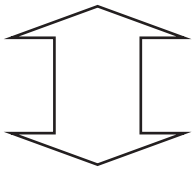
17. How many lines of symmetry are there in a trapezoid whose legs are the same length?

Determine whether each figure exhibits rotational symmetry. Explain your answer.

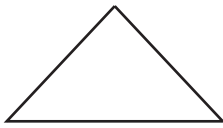
18.



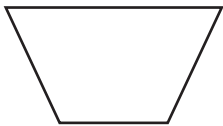
19.



20.



21.



6

22.

