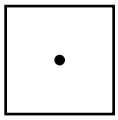
Name _____

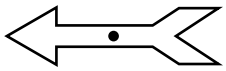
Rotational Symmetry

Example

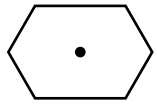
Give the least angle measure and turn that will rotate each figure onto itself. Does the figure have rotational symmetry?

a. 

90° rotation; $\frac{1}{4}$ turn; has rotational symmetry

b. 

360°; full turn; does not have rotational symmetry

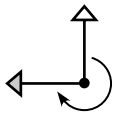
c. 

180° rotation; $\frac{1}{2}$ turn; has rotational symmetry

Give an angle measure and a turn to describe each rotation.

1. 

_____

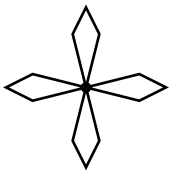
2. 

_____

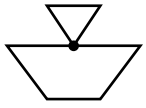
3. 

_____

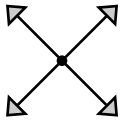
Tell if the figure has rotational symmetry. Write *yes* or *no*.

4. 

_____

5. 

_____

6. 

_____

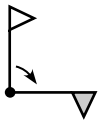
7. Which of the letters in the word MATH have rotational symmetry?

_____

Name _____

Rotational Symmetry (continued)

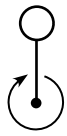
Give an angle measure and a turn to describe each rotation.

8. 

_____

9. 

_____

10. 

_____

Tell if the figure has rotational symmetry. Write *yes* or *no*.

11. 

_____

12. 

_____

13. 

_____

14. Which of the letters in the word CALIFORNIA have rotational symmetry? _____

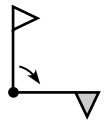
15. What letter do you get when you rotate the letter *d* by 180°? _____

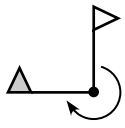
16. What letter do you get when you rotate the letter *W* by 180°? _____

17. Does the number 8 have rotational symmetry? _____

Test Prep Choose the correct letter for the answer.

18. Which of the figures below shows a rotation of 90°?

A 

C 

B 

D