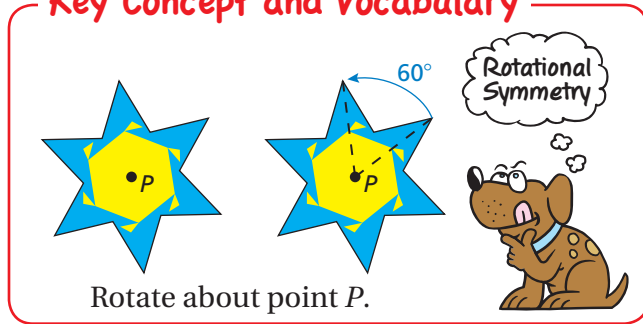


REVIEW: Rotational Symmetry

Name _____

Key Concept and Vocabulary



Visual Model

If a figure has rotational symmetry, you can rotate it about a point and the figure will coincide with itself.

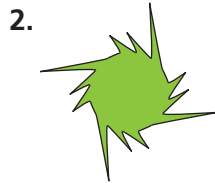
WOW

(Rotate this worksheet 180°. The word will be the same.)

Skill Examples



Rotational symmetry
120°, 240°



Rotational symmetry
90°, 180°, 270°

Application Example

3. Why are traditional playing cards made with rotational symmetry?

So that when you rotate them 180°, you see the same picture.

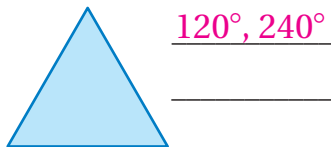


PRACTICE MAKES PURR-FECT™

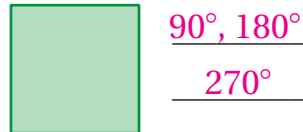
Check your answers at BigIdeasMath.com.

List the angles (less than 360°) that represent rotational symmetry.

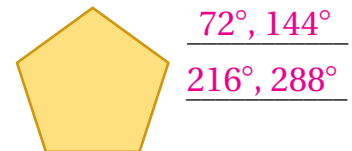
4. Equilateral Triangle



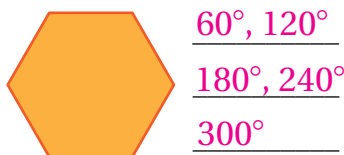
5. Square



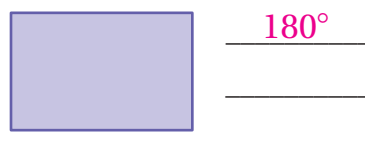
6. Regular Pentagon



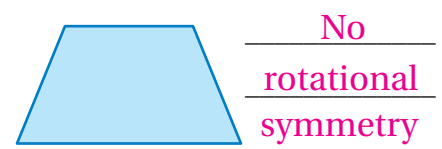
7. Regular Hexagon



8. Rectangle



9. Equilateral Trapezoid



10. **AMBIGRAM** A rotational ambigram is a word that has rotational symmetry. Which of the following ambigrams contain the same word when rotated? (a) and (c)

(a)

(b)

(c)