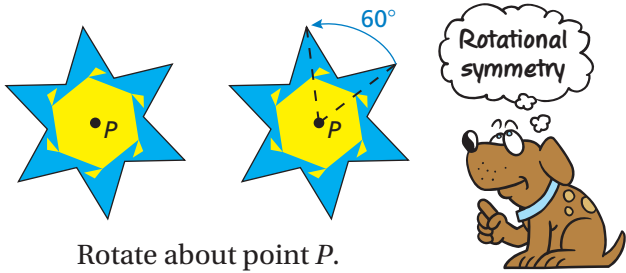


REVIEW: Rotational Symmetry

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.

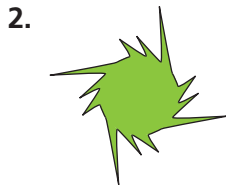
WOW

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

Skill Examples



Rotational symmetry
 $120^\circ, 240^\circ$



Rotational symmetry
 $90^\circ, 180^\circ, 270^\circ$

Application Example

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

••• When you rotate a playing card 180° , you see the same picture.

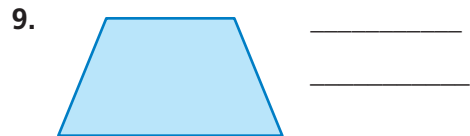
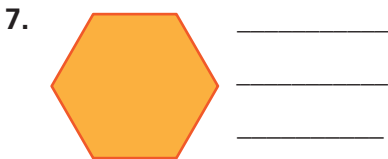
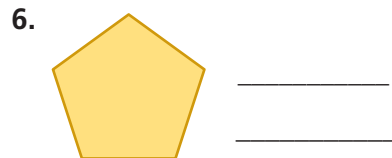
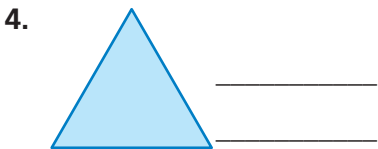


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Check your answers at BigIdeasMath.com.

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



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

(a)

(b) **WOW**

(c)