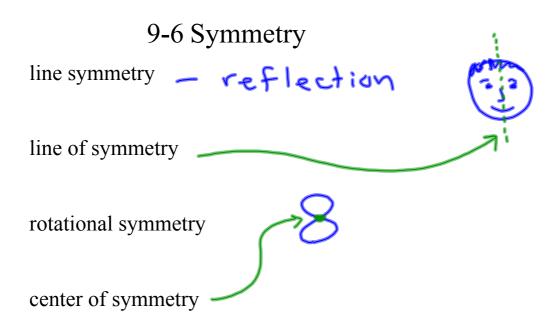
Warm Up

Find the coordinates of the image of A(-3, 8) for each transformation.

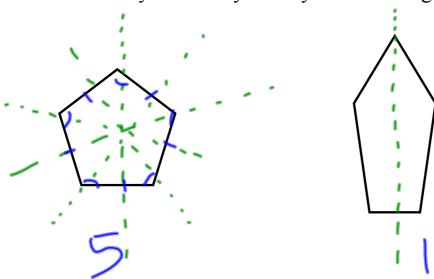
1. reflection in the line y = x



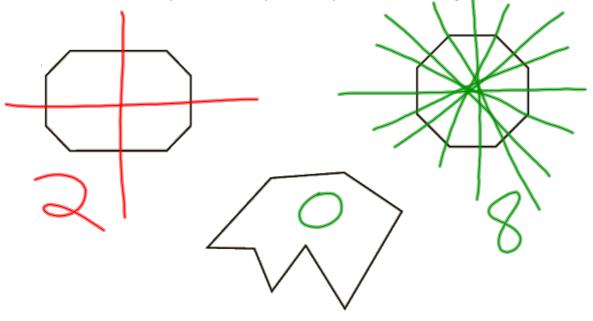
- 2. rotation of 90° counterclockwise about the origin
- 3. translation 4 units down



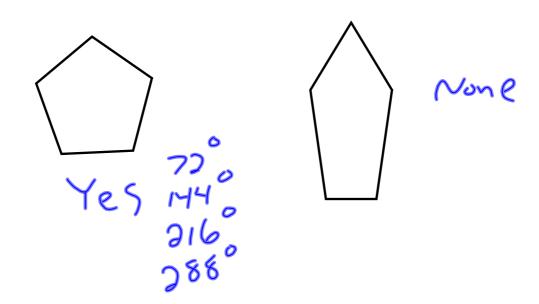
Ex 1 How many lines of symmetry does each figure have?



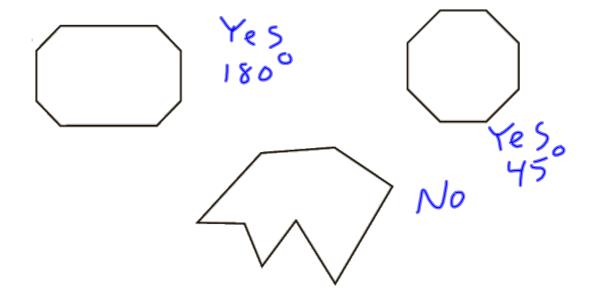
Ex 2 How many lines of symmetry does each figure have?



Ex 3 Does the figure have rotational symmetry? If so, describe the rotations that map the figure onto itself.



Ex 4 Does the figure have rotational symmetry? If so, describe the rotations that map the figure onto itself.



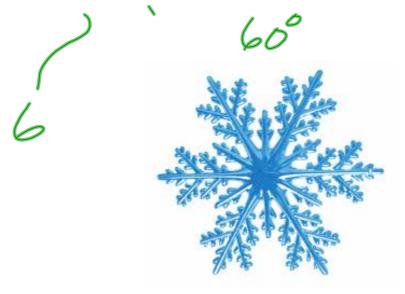
Ex. 5 Identify the line symmetry and rotational symmetry

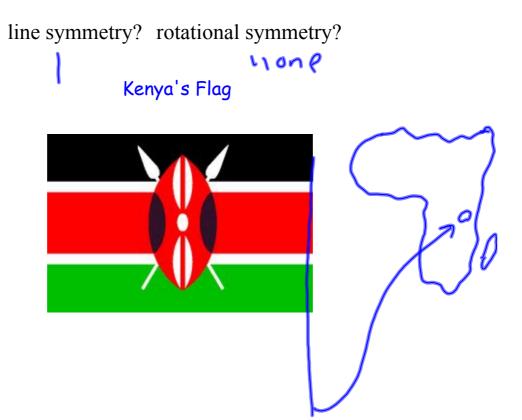
of a square.

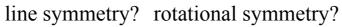
Line Symmetry-

Rotational symmetry-

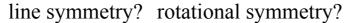
line symmetry? rotational symmetry?

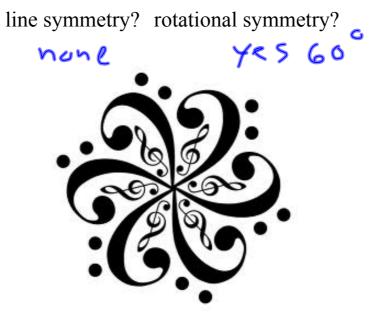




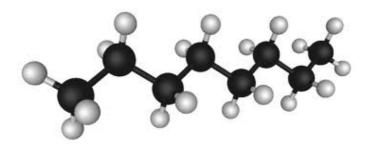








line symmetry? rotational symmetry?



line symmetry? rotational symmetry?

