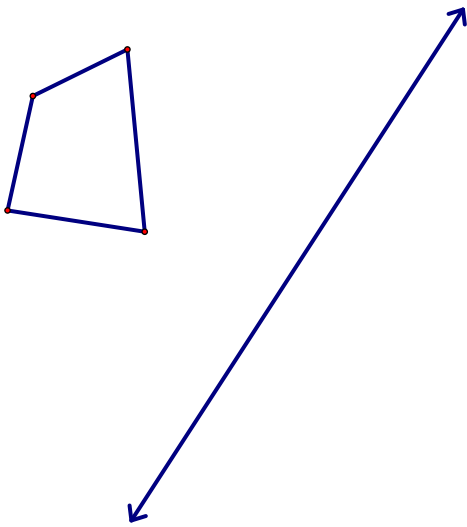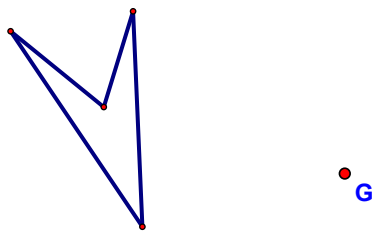1.

Using your compass and straight edge, reflect the pre-image over the given line of reflection.

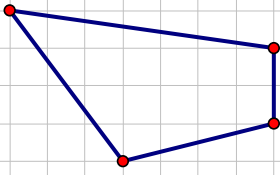2.

Using your compass and straight edge, rotate the pre-image 240° about point G.
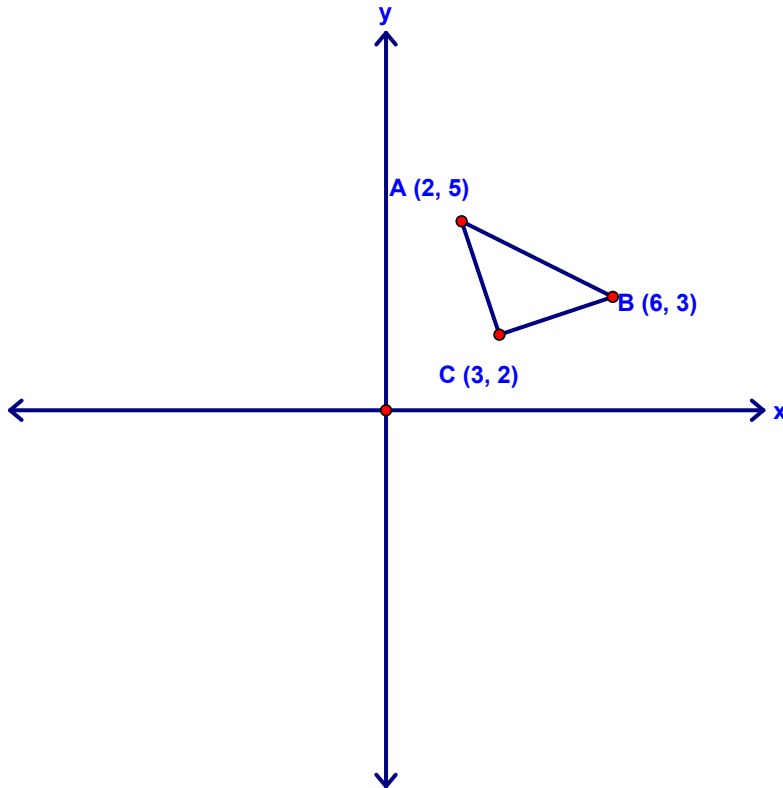
G

3.

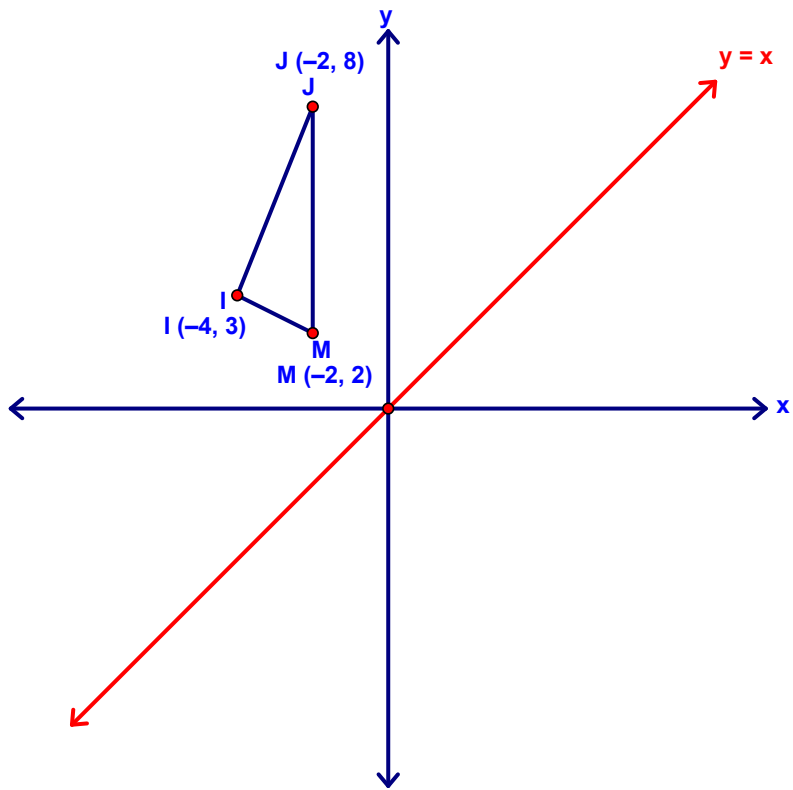**Translate the image one unit down and three units right.**

4.

Using the rules we discussed, rotate the pre-image 270° about the origin.

A (2, 5)

B (6, 3)

C (3, 2)

5.

Using the rules we discussed, reflect the pre-image over the given line of reflection.

J (−2, 8)

y = x

I (−4, 3)

M (−2, 2)

6.

Which of these cards have rotational symmetry? Which have reflectional symmetry?

7.

Which of these objects have relectional symmetry (or approximate reflectional symmetry)?
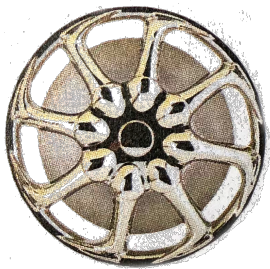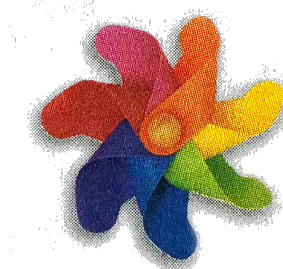**If the object has reflectional symmetry, how many lines of symmetry are there?**
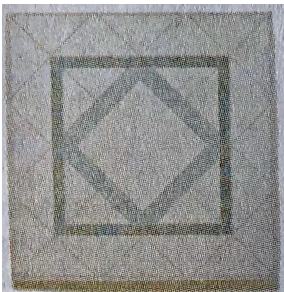
A.

B.

C.

D.

E.

F.

8.

Which of these objects have rotational symmetry (or approximate reflectional symmetry)?
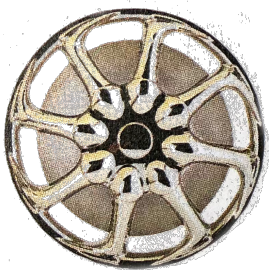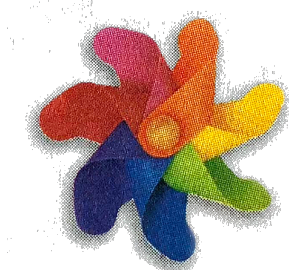**If the object has rotational symmetry, what degree is it?**

A.

B.

C.

D.

E.

F.