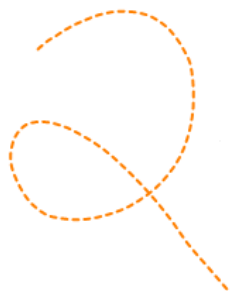
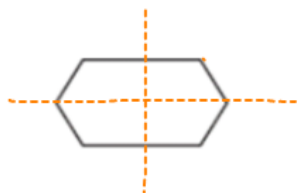


# EXAMPLE 1

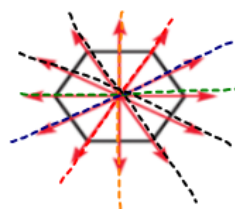
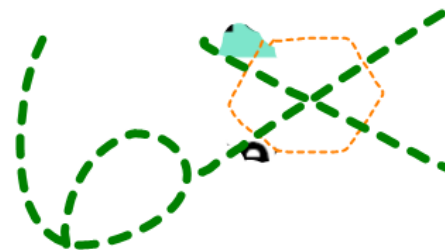
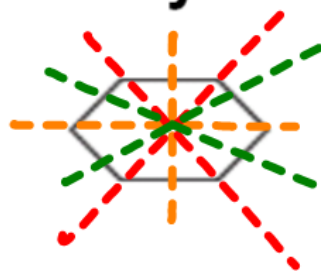
## Identify lines of symmetry

How many lines of symmetry does the hexagon have?

a.



b.



c.

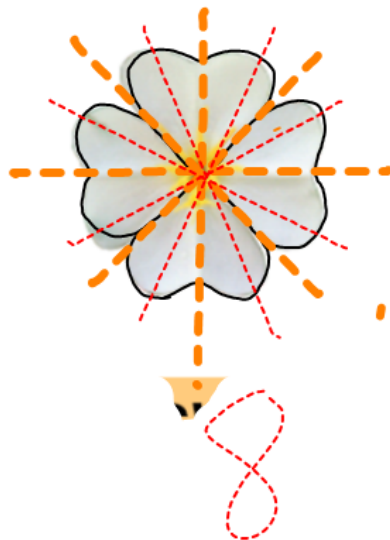


# GUIDED PRACTICE

## for Example 1

How many lines of symmetry does the object appear to have?

1.



2.



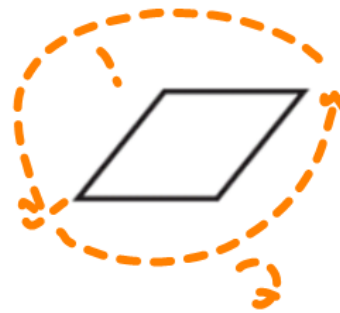
3.



**EXAMPLE 2****Identify rotational symmetry**

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

a. Parallelogram

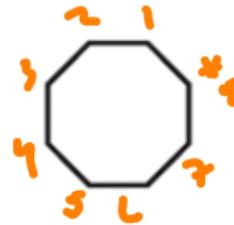


2 turns

$$\frac{360}{2} = 180^\circ$$

**EXAMPLE 2****Identify rotational symmetry**

b. Regular octagon



8 turns

$$\frac{360}{8} = 45^\circ$$

$$\frac{360^\circ}{8} = 45^\circ$$

**EXAMPLE 2**

**Identify rotational symmetry**

c. Trapezoid



1 turn

No Symmetry

**EXAMPLE 3****Standardized Test Practice**

Identify the line symmetry and rotational symmetry of the equilateral triangle at the right.

- A 3 lines of symmetry,  $60^\circ$  rotational symmetry
- B 3 lines of symmetry,  $120^\circ$  rotational symmetry
- C 1 line of symmetry,  $180^\circ$  rotational symmetry
- D 1 line of symmetry, no rotational symmetry

