

3ACE Exercises 1-4

Investigation 3

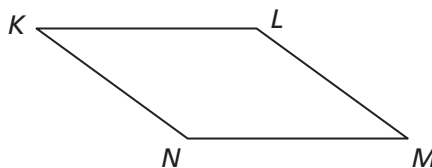
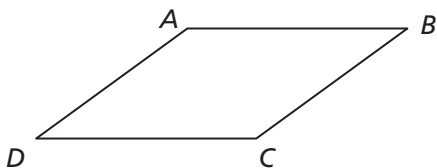
Kaleidoscopes, Hubcaps, and Mirrors

In Exercises 1-4, there are four pairs of **congruent figures**.

In each pair, match each **side and angle** of the first shape with its congruent partner in the second shape.

HINT The first one has been done as an example.

1.



a. Matching sides:

$$AB \cong LK \quad BC \cong KN$$

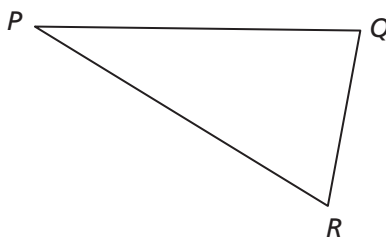
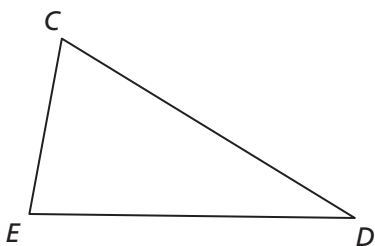
$$AD \cong LM \quad DC \cong MN$$

b. Matching angles:

$$\angle A = \angle L \quad \angle C = \angle N$$

$$\angle B = \angle K \quad \angle D = \angle M$$

2.



a. Matching sides:

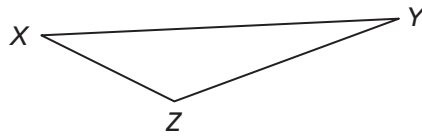
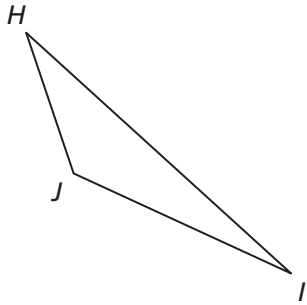
b. Matching angles:

3ACE Exercises 1-4 (continued)

Investigation 3

Kaleidoscopes, Hubcaps, and Mirrors

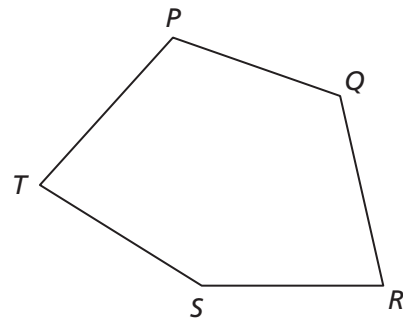
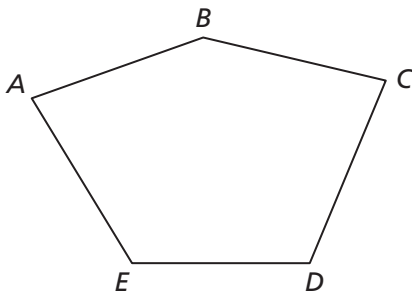
3.



a. Matching sides:

b. Matching angles:

4.



a. Matching sides:

b. Matching angles: