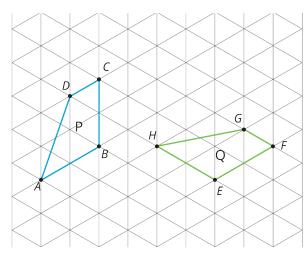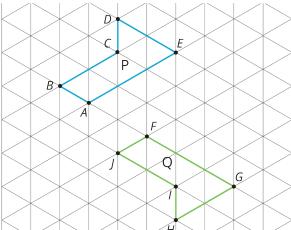# Lesson 4 Practice Problems

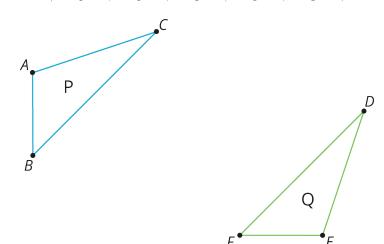1. For each pair of polygons, describe a sequence of translations, rotations, and reflections that takes Polygon P to Polygon Q.

a.
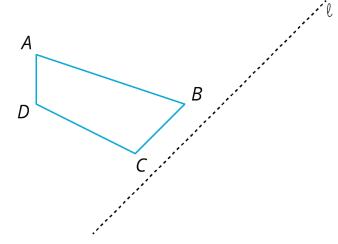

b.
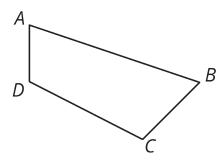

c.

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2. Here is quadrilateral $ABCD$ and line ℓ.

Draw the image of quadrilateral $ABCD$ after reflecting it across line ℓ.

(From Unit 1, Lesson 2.)

3. Here is quadrilateral $ABCD$.

Draw the image of quadrilateral $ABCD$ after each rotation using B as center.

    a. 90 degrees clockwise

    b. 120 degrees clockwise

    c. 30 degrees counterclockwise

(From Unit 1, Lesson 2.)

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