Lesson 12 Practice Problems
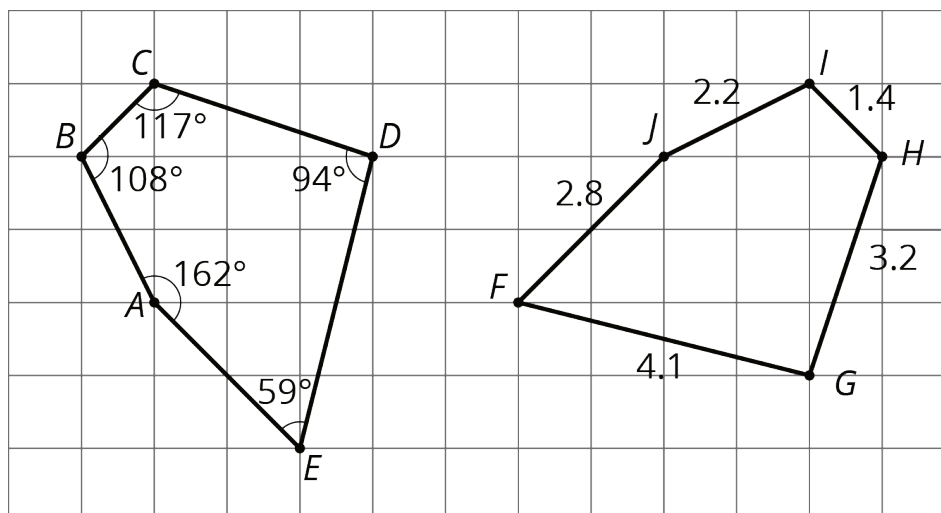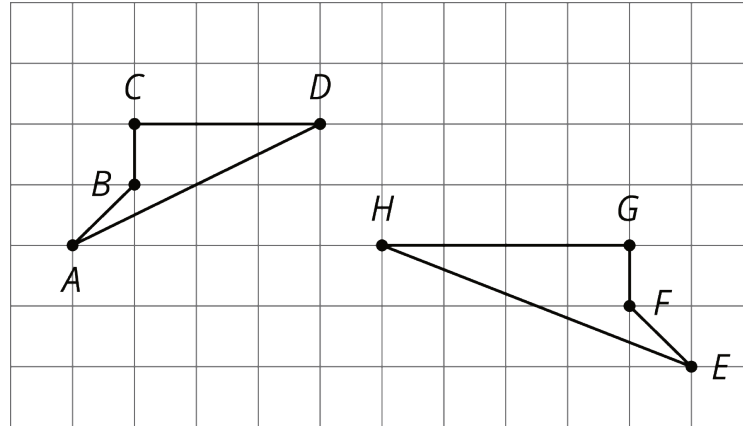
1. a. Show that the two pentagons are congruent.

 b. Find the side lengths of $ABCDE$ and the angle measures of $FGHIJ$.
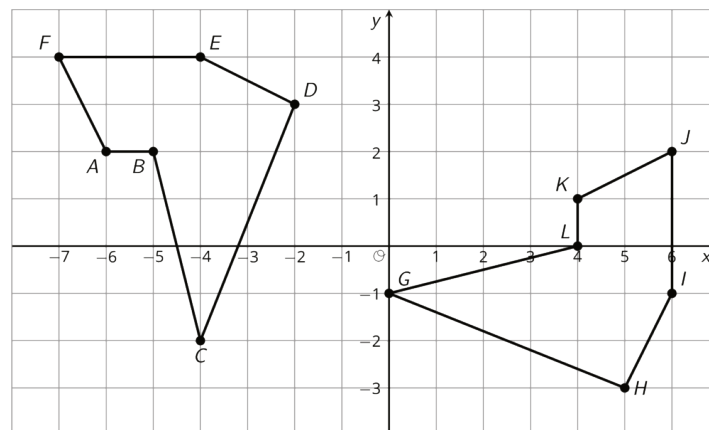
2. For each pair of shapes, decide whether or not the two shapes are congruent. Explain your reasoning.
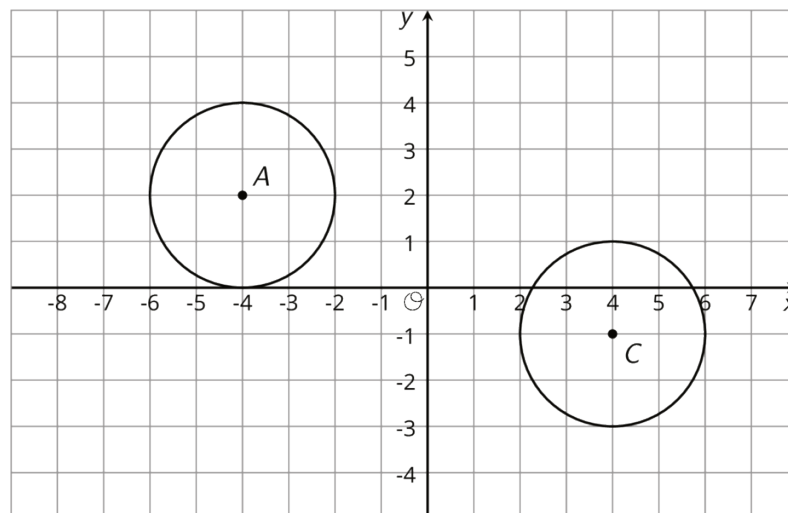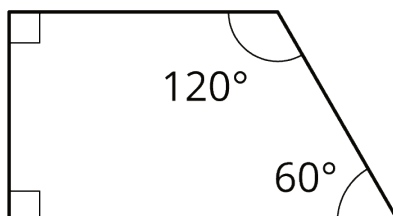
a.

b.

c.

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3. a. Draw segment PQ.

    b. When PQ is rotated 180° around point R, the resulting segment is the same as PQ. Where could point R be located?

(From Unit 1, Lesson 8.)

4. Here is trapezoid $ABCD$.

Using rigid transformations on the trapezoid, build a pattern. Describe some of the rigid transformations you used.

(From Unit 1, Lesson 10.)

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