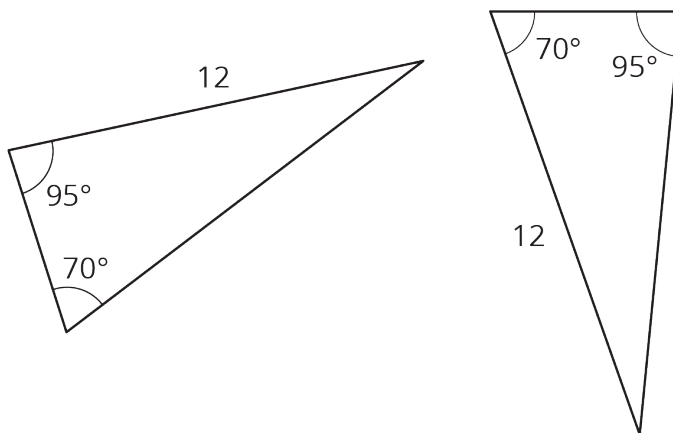
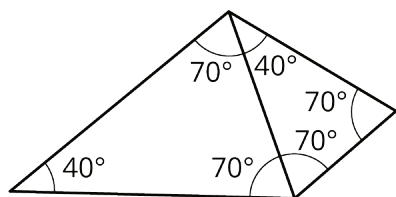


## Lesson 16 Practice Problems

1. Are these two triangles identical? Explain how you know.



2. Are these triangles identical? Explain your reasoning.



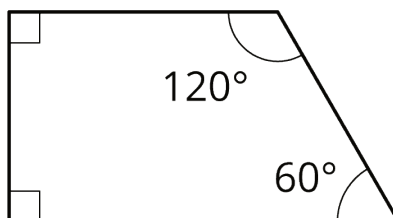
3. Tyler claims that if two triangles each have a side length of 11 units and a side length of 8 units, and also an angle measuring  $100^\circ$ , they must be identical to each other. Do you agree? Explain your reasoning.

4. a. Draw segment  $PQ$ .

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

(From Unit 1, Lesson 7.)

5. 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 9.)