

Name \_\_\_\_\_

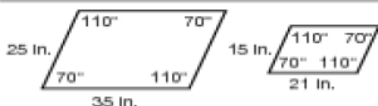
**Practice  
11-1**

Homework 4.1

**Similar Figures**

Decide whether each pair of figures is similar.

1. \_\_\_\_\_



2. \_\_\_\_\_



3. \_\_\_\_\_

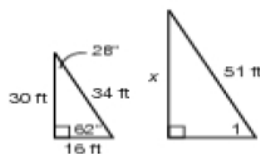


4. \_\_\_\_\_



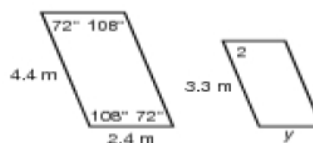
5. The two triangles are similar.

- a. Find  $x$ . \_\_\_\_\_
- b. Find the measure of  $\angle 1$ . \_\_\_\_\_



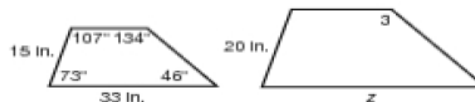
6. The two parallelograms are similar.

- a. Find  $y$ . \_\_\_\_\_
- b. Find the measure of  $\angle 2$ . \_\_\_\_\_



7. The two trapezoids are similar.

- a. Find  $z$ . \_\_\_\_\_
- b. Find the measure of  $\angle 3$ . \_\_\_\_\_



8. The two car drawings are similar.  
Find  $x$ , the length of the larger car.

\_\_\_\_\_



9. The Society Tower in Cleveland, Ohio, is 271 m tall. A scale drawing shows the tower at 10.84 cm. What is the scale factor of the drawing?

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