

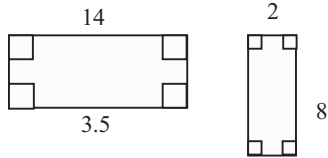
# Additional Practice 9.4

NAME \_\_\_\_\_

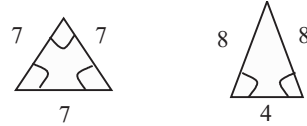
Module 9 Characteristics of Geometric Shapes  
Lesson 4 Similar Polygons

Determine if each pair of polygons is similar. Write *yes* or *no*.

1.

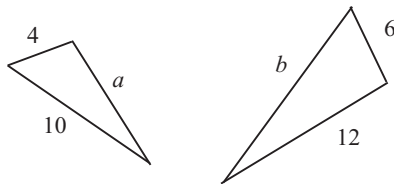


2.

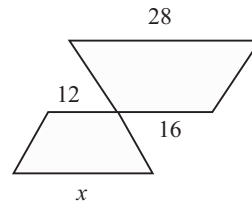


Find the unknown lengths in each pair of similar figures.

3.



4.



5. A map has a scale of one inch to 150 miles. The actual distance between two cities is 525 miles. What is the distance between the two cities on the map?

6. A poster is a 25% copy of the original painting. The original painting measures three feet by four feet. What are the dimensions of the poster?

7. A regular pentagon with a perimeter of 25 inches is enlarged by a scale factor of 250%. What is the perimeter of the enlargement?

8. Richard is making a scale drawing of a soccer field and is using a scale of 2 mm = 1 m. If the length of the actual soccer field is 104 meters, what is the length on his drawing?