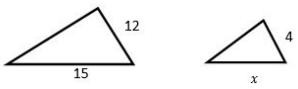
Name:

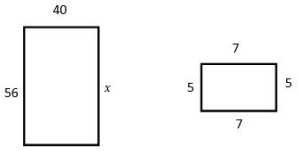
Date:

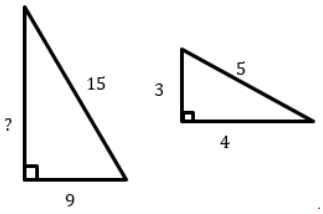
Similar Figures

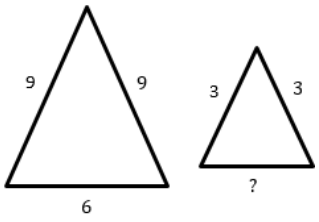
Each pair of figures is similar. Find the missing side.

1) 

2) 

3) 

4) 

5) 

Solve.

6) Two rectangles are similar. The first is 6 feet wide and 20 feet long. The second is 15 feet wide. What is the length of the second rectangle? _____

7) The scale of a map of Texas is 2 inches: 45 miles. If you measure the distance from Dallas to Martin County as 14.4 inches, approximately how far is Martin County from Dallas?

8) A building casts a shadow 24 ft long. At the same time a girl 5 ft tall casts a shadow 2 ft long. How tall is the building?

9) Two rectangles are similar. One is 2.5 meters by 9 meters. The longer side of the second rectangle is 22.5 meters. What is the other side of the second rectangle?

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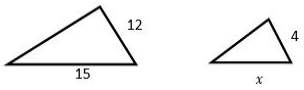
1)



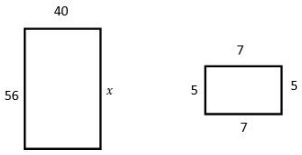
5

2)



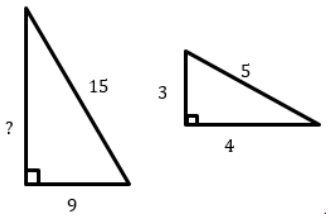
3

3)



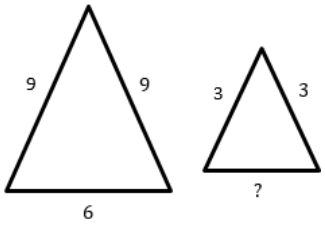
56

4)



12

5)



2

6) Two rectangles are similar. The first is 6 feet wide and 20 feet long. The second is 15 feet wide. What is the length of the second rectangle? _____

5 **feet**

7) The scale of a map of Texas is 2 inches: 45 miles. If you measure the distance from Dallas to Martin County as 14.4 inches, approximately how far is Martin County from Dallas?

324 **miles**

8) A building casts a shadow 24 ft long. At the same time a girl 5 ft tall casts a shadow 2 ft long. How tall is the building?

60 **feet**

9) Two rectangles are similar. One is 2.5 meters by 9 meters. The longer side of the second rectangle is 22.5 meters. What is the other side of the second rectangle?

6.25 **meters**