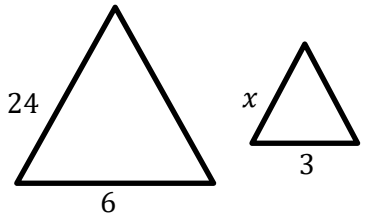
Similar Figures

Name:

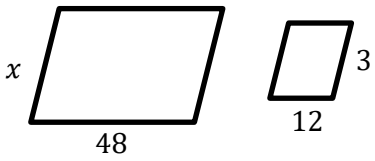
Date:

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

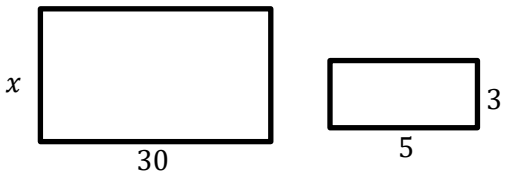
1) $x =$



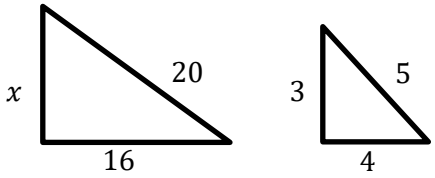
2) $x =$



3) $x =$



4) $x =$



Solve.

5) Two rectangles are similar. The first is 5 feet wide and 15 feet long. The second is 15 feet wide. What is length of the second rectangle?

6) A building casts a shadow 24feet long. At the same time a boy 4 feet tall casts a shadow 2 feet long. How tall is the building?

7) A telephone booth that is 8 feet tall casts a shadow that is 4 feet long. Find the height of lawn ornament that casts a 2 feet shadow.

8) A statue that is 18 feet tall casts a shadow that is 24 feet long. Find the length of the shadow that a 6 feet cardboard box casts.

9) A model house is 14 cm wide. If it was built with a scale of 2 cm: 4 m the how wide is the real house?

Similar Figures

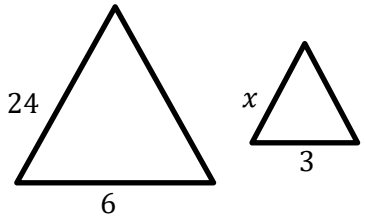
Name:

Date:

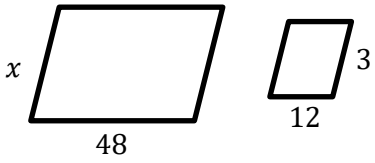
Answers

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

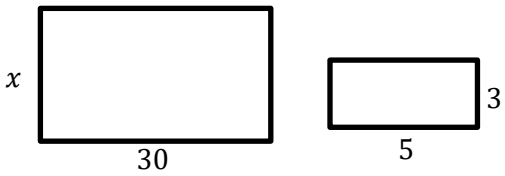
1) $x = 12$



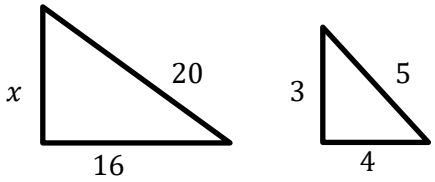
2) $x = 12$



3) $x = 18$



4) $x = 12$



Solve.

5) Two rectangles are similar. The first is 5 feet wide and 15 feet long. The second is 15 feet wide. What is length of the second rectangle? 45 feet

6) A building casts a shadow 24feet long. At the same time a boy 4 feet tall casts a shadow 2 feet long. How tall is the building? 48 feet

7) A telephone booth that is 8 feet tall casts a shadow that is 4 feet long. Find the height of lawn ornament that casts a 2 feet shadow. 8 feet

8) A statue that is 18 feet tall casts a shadow that is 24 feet long. Find the length of the shadow that a 6 feet cardboard box casts. 8 feet

9) A model house is 14 cm wide. If it was built with a scale of 2 cm: 4 m the how wide is the real house? 28 feet