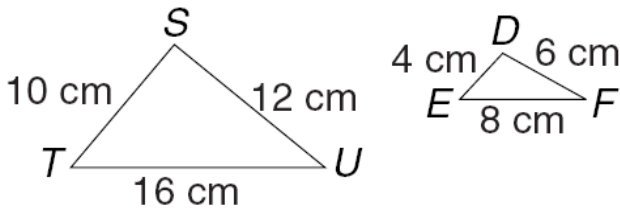
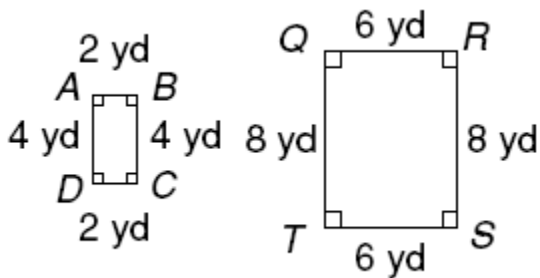


CHAPTER
5 **Practice Quiz**
Section B

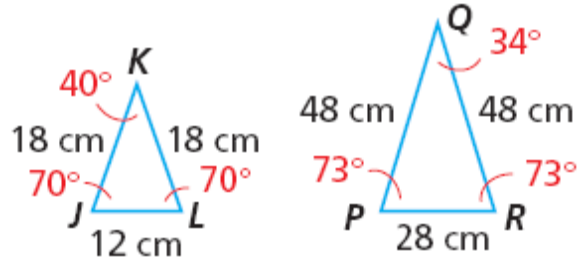
1. Identify the corresponding sides. Write the ratios and simplify. Determine if the two figures are similar.



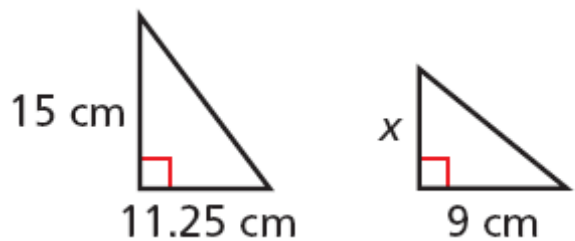
2. Identify the corresponding sides. Write the ratios and simplify. Determine if the two figures are similar.



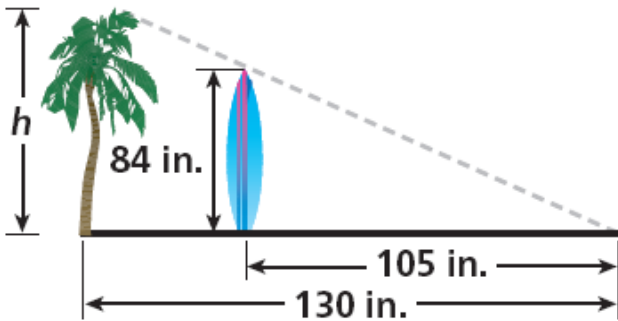
3. Determine if the two triangles are similar. Show your work below.



4. Find the unknown length in the similar figures. Set up the ratios of corresponding sides. Show your cross product, and all steps to get your answer.



5. A palm tree casts a shadow that is 130 inches long. A surfboard casts a shadow that is 105 inches long. What is the height of the palm tree?



7. In a photograph, a sculpture is 4.2 cm tall and 2.5 cm wide. The scale factor is $\frac{1}{16}$. Find the size of the actual sculpture.

6. On a map, the distance between two cities is 7.6 cm. What is the actual distance between the cities if the map scale is 2cm = 50 mi?