

**LESSON**  
**4-1**

# Similar Shapes and Proportions

## Practice and Problem Solving: D

Tell whether the shapes are similar. Explain your answer. The first one is done for you.

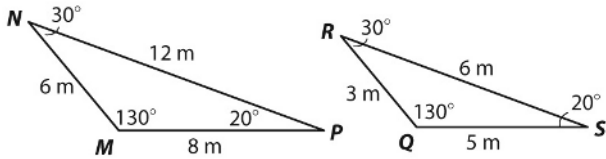
- rectangle  $STUV$  with side lengths of 5 and 3 and rectangle  $WXYZ$  with side lengths of 15 and 9

**Yes; All the angles are right angles, and the ratio of corresponding sides is 1:3.**

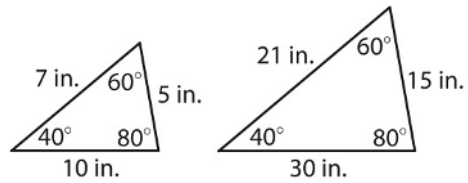
- rectangle  $ABCD$  with side lengths of 4 and 6 and rectangle  $EFGH$  with side lengths of 8 and 18

Tell whether the triangles are similar. Explain your answer. The first one is done for you.

3.



4.

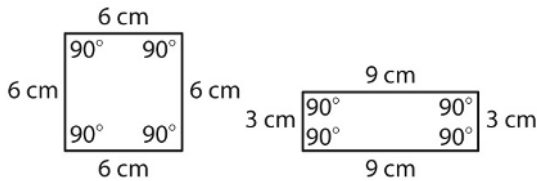


**No; Corresponding side lengths**

**are not proportional.**

Tell whether the four-sided figures are similar. Explain your answer.

5.



6.

