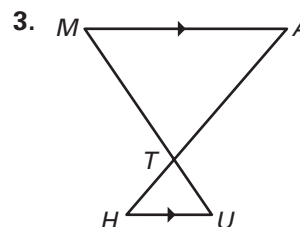
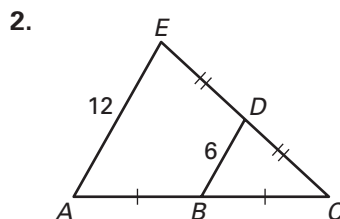
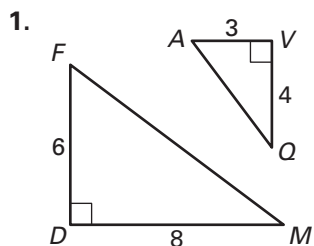


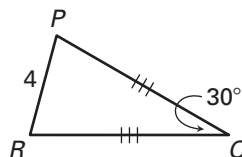
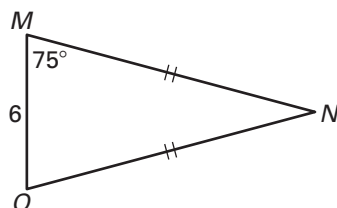
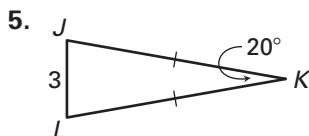
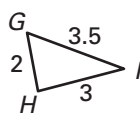
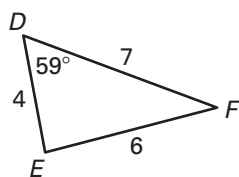
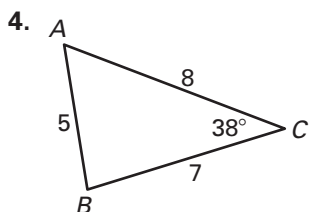
Practice A

For use with pages 488–496

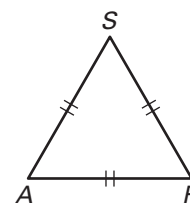
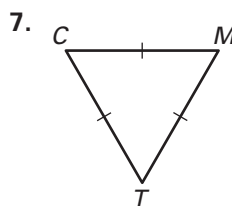
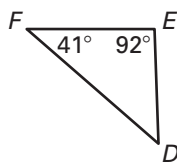
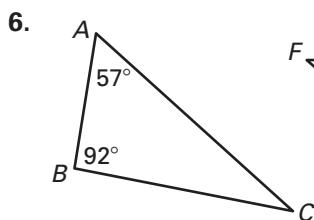
Name a postulate or theorem that can be used to prove that the two triangles are similar. Then, write a similarity statement.



Determine which two of the three given triangles are similar. Find the scale factor for the pair.



Are the triangles similar? If so, state the similarity and the postulate or theorem that justifies your answer.



Decide whether the statement is *true* or *false*. Explain your reasoning.

8. If an acute angle of a right triangle is congruent to an acute angle of another right triangle, then the triangles are similar.
9. All equilateral triangles are similar.
10. If two triangles are congruent, then they are similar.
11. If two triangles are similar, then they are congruent.
12. All isosceles triangles with a 40° vertex angle are similar.