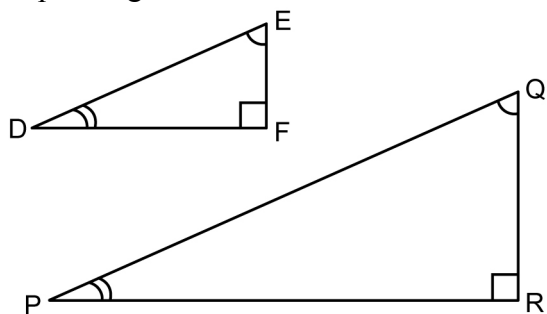


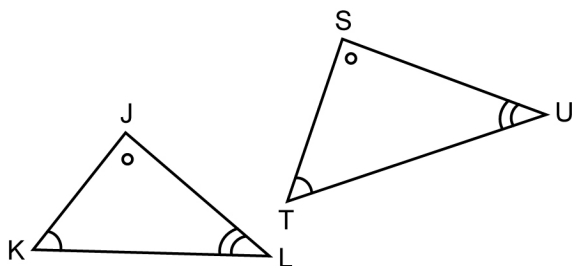
Section 7.1 Practice Master

1. Name the similar triangles in each case. Write the letters so that equal angles appear in corresponding order.

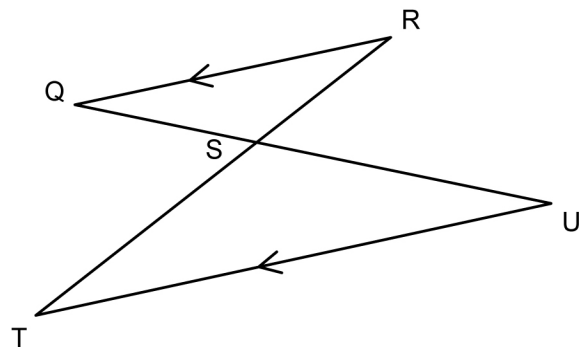
a)



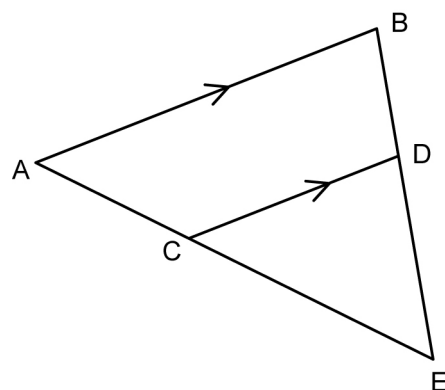
b)



c)

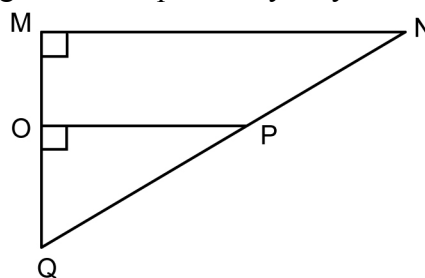


d)

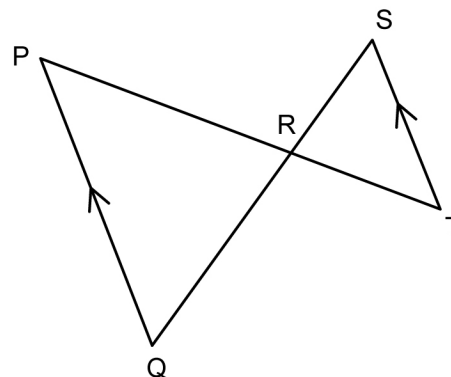


2. Name a pair of similar triangles in each diagram and explain why they are similar.

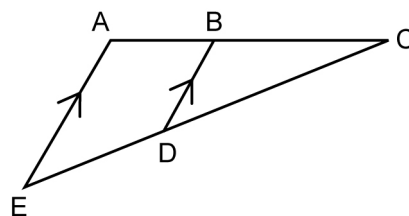
a)



b)

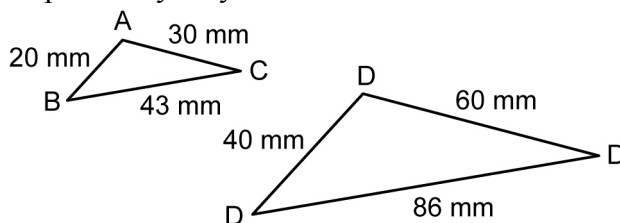


c)



3. Name a pair of similar triangles in each and explain why they are similar.

a)

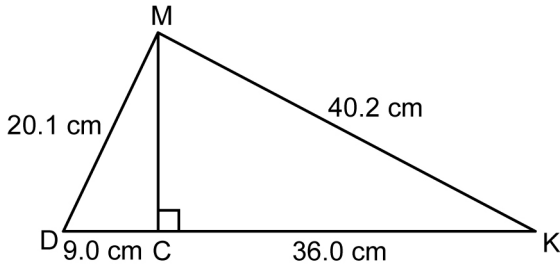


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Date: _____

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b)



4. For each pair of similar triangles in question 3, list all the pairs of corresponding angles and corresponding sides.
5. a) Draw an isosceles triangle.
b) Draw an isosceles triangle that is
- congruent to the one you drew
 - similar to the one you drew
 - neither congruent nor similar to the one you drew
6. Are all scalene triangles similar? Justify your answer.
7. Taha wants to enlarge a 4 in. by 6 in. photo so that the width and length are in proportion.
- a) Find the dimensions of the photo if the width and length are doubled.
- b) Find the dimensions of the photo if the width and length are tripled.
- c) Find the dimensions of the photo if the width and length are halved.
- d) How are the areas of the different sizes of photos related?