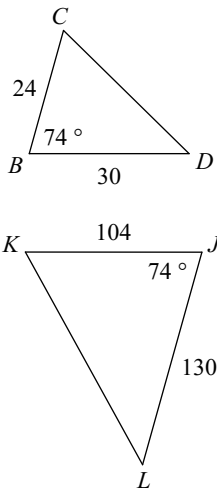


SM2a HW #9-1 (triangle similarity)

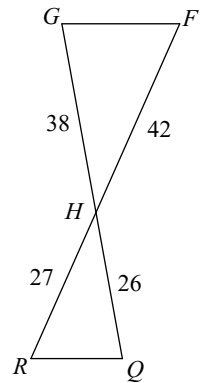
If the triangles in each pair are similar: (a) Show the triangles are similar using ratios, (b) state the similarity theorem, (c) complete the similarity statement, (d) What is the scale factor (from small to large triangle)

1)



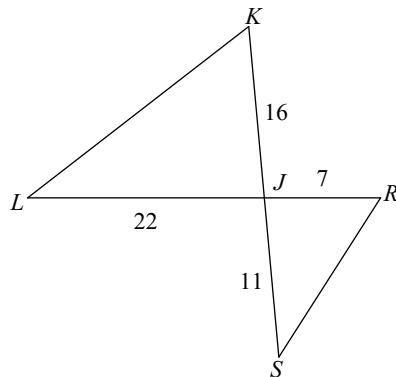
$\triangle JKL \sim$  \_\_\_\_\_

2)



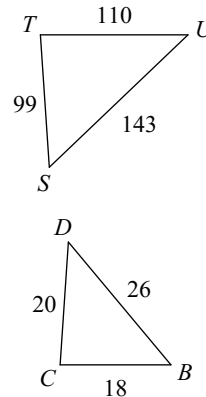
$\triangle HGF \sim$  \_\_\_\_\_

3)



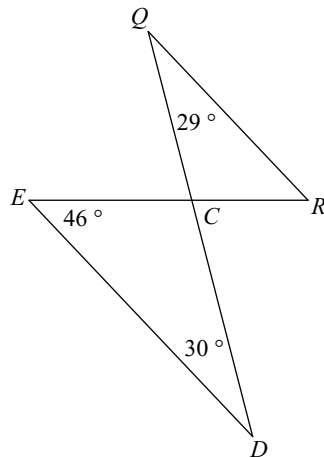
$\triangle JKL \sim$  \_\_\_\_\_

4)



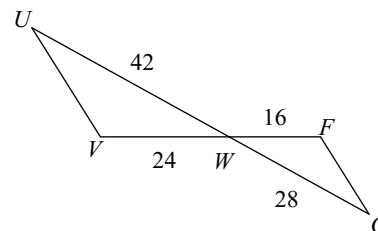
$\triangle STU \sim$  \_\_\_\_\_

5)



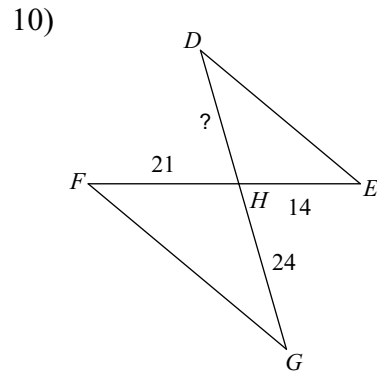
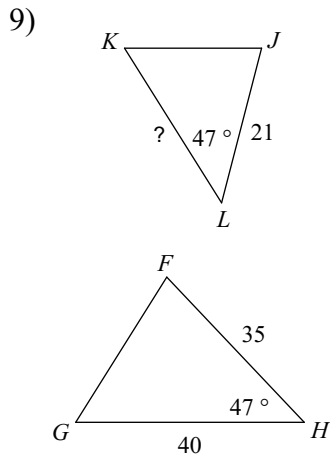
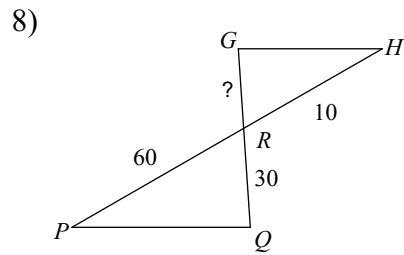
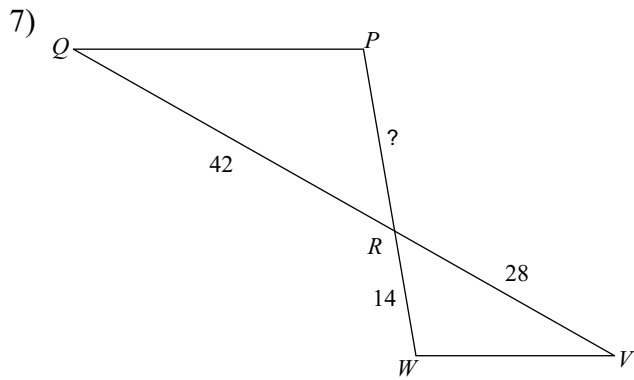
$\triangle CDE \sim$  \_\_\_\_\_

6)

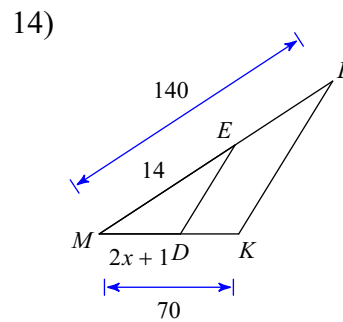
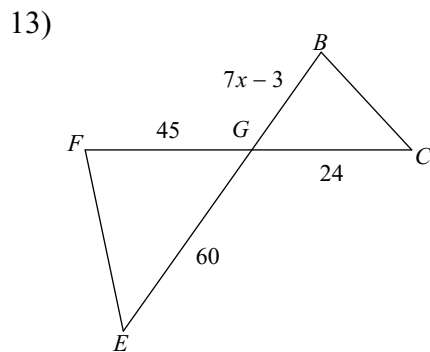
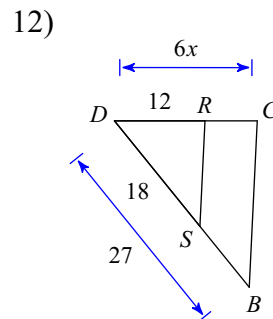
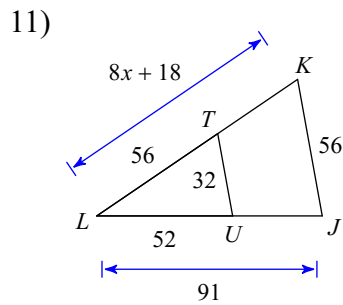


$\triangle WVU \sim$  \_\_\_\_\_

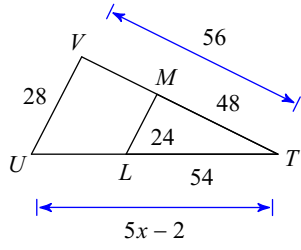
Find the missing length. The triangles in each pair are similar.



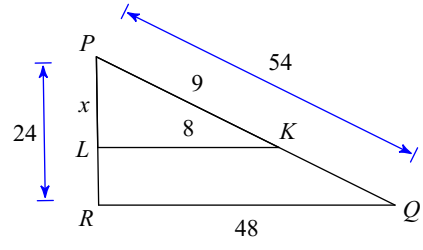
Solve for  $x$ . The triangles in each pair are similar.



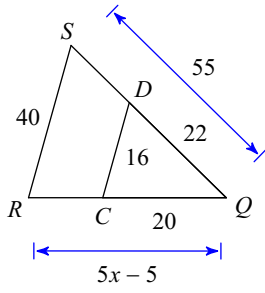
15)



16)



17)



18)

