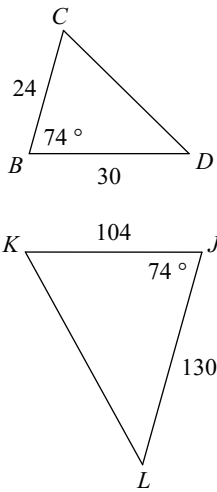


SM2 HW #7-5 (triangle similarity)

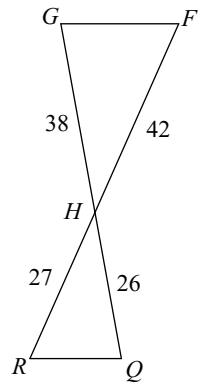
If the triangles in each pair are similar: (a) Show the triangles are similar using ratios, (b) state the similarity theorem, (c) complete the similarity statement, (d) What is the scale factor (from small to large triangle)

1)



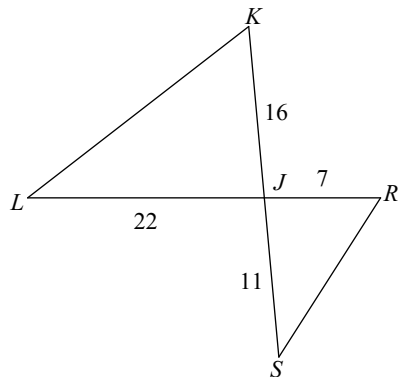
$\triangle JKL \sim$ _____

2)



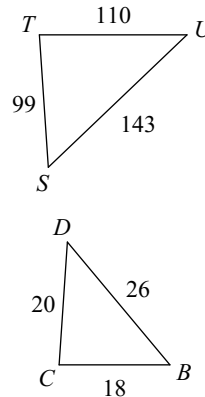
$\triangle HGF \sim$ _____

3)



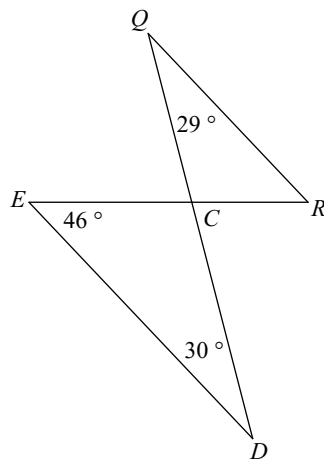
$\triangle JKL \sim$ _____

4)



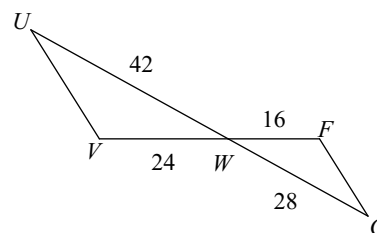
$\triangle STU \sim$ _____

5)



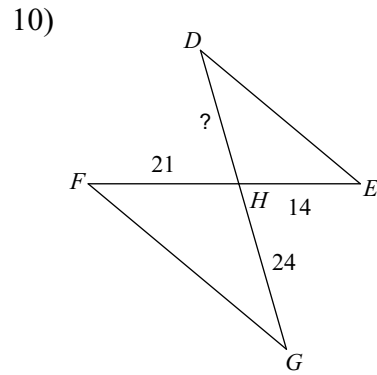
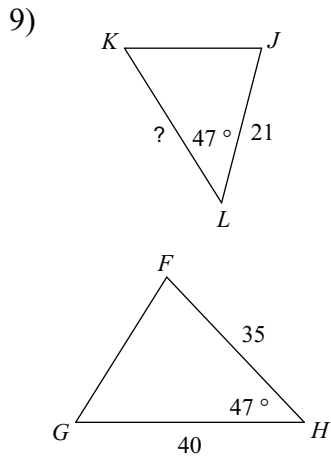
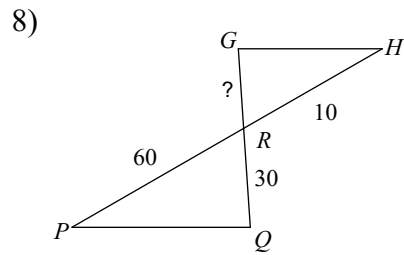
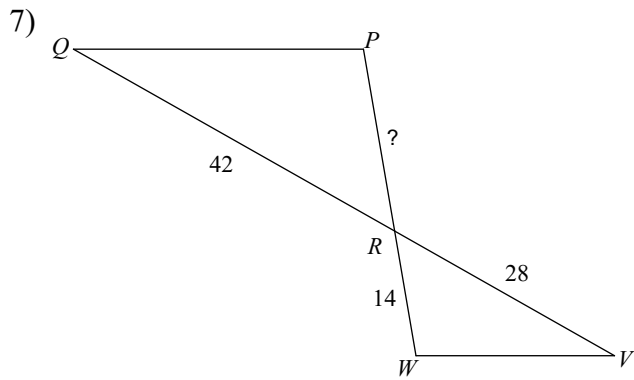
$\triangle CDE \sim$ _____

6)

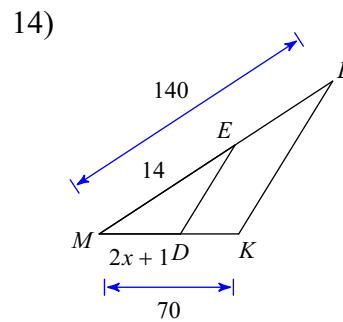
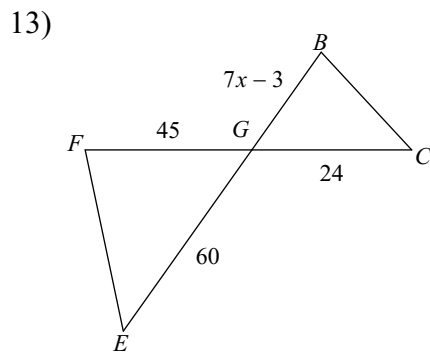
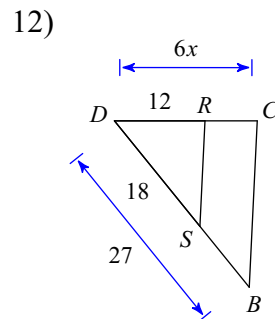
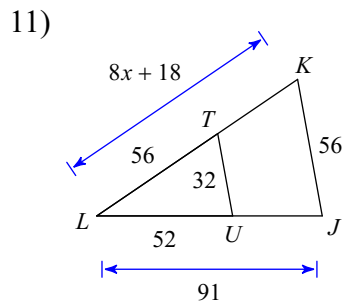


$\triangle WVU \sim$ _____

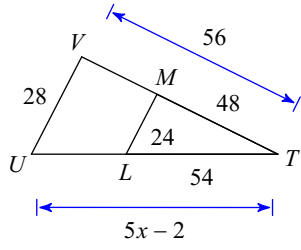
Find the missing length. The triangles in each pair are similar.



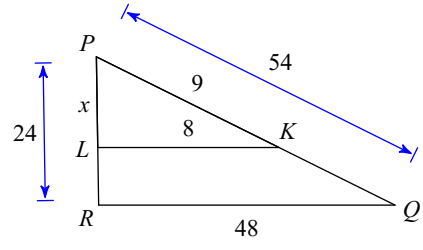
Solve for x . The triangles in each pair are similar.



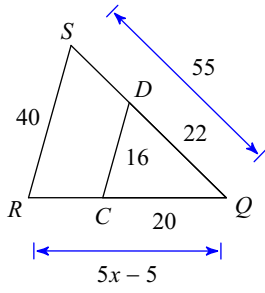
15)



16)



17)



18)

