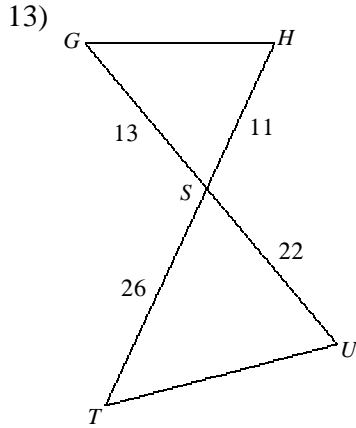


**Q2HW3 - All work on looseleaf.**

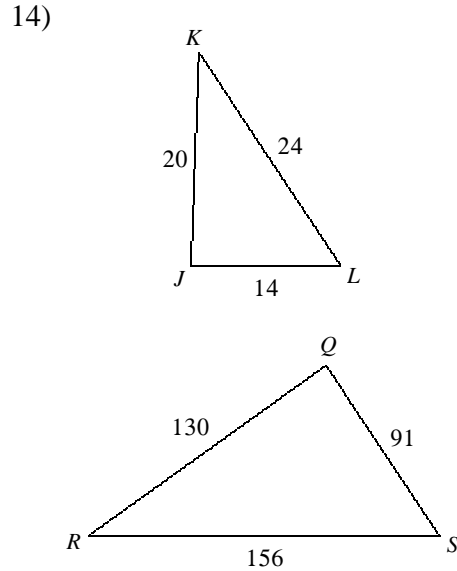
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1-12) On Page 766 of your texbook, Lesson 7-1, do problems 1 to 12. Continue at problem 13 on this worksheet.  
(24 problems total, 12 in book and 12 on this worksheet).

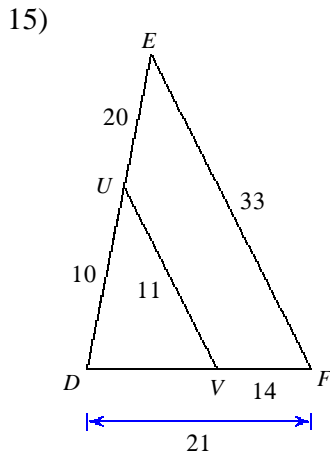
**State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.**



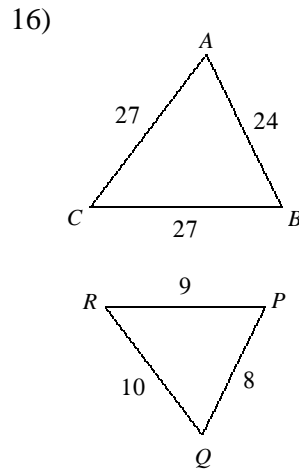
$\Delta STU \sim$  \_\_\_\_\_



$\Delta QRS \sim$  \_\_\_\_\_



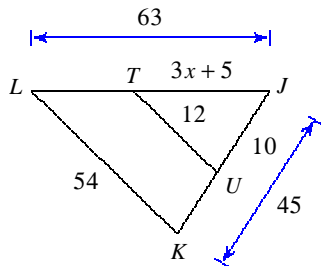
$\Delta DEF \sim$  \_\_\_\_\_



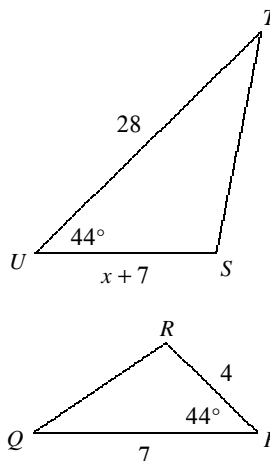
$\Delta ABC \sim$  \_\_\_\_\_

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

17)

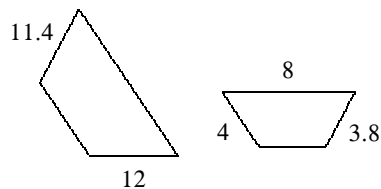


18)

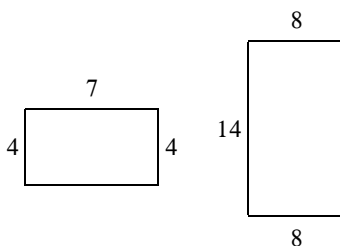


The polygons in each pair are similar. Find the scale factor of the smaller figure to the larger figure.

19)

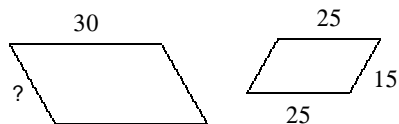


20)

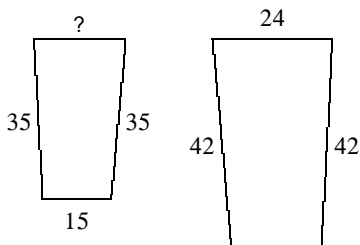


The polygons in each pair are similar. Find the missing side length.

21)

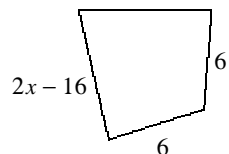
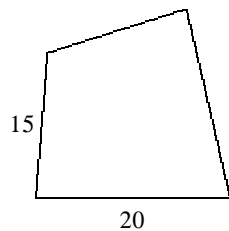


22)



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

23)



24)

