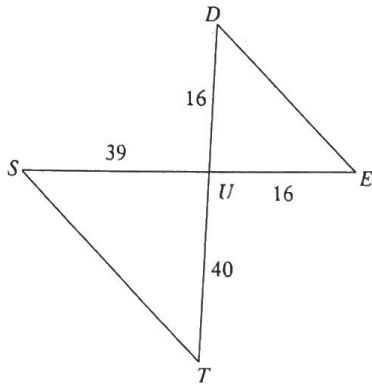


4.2 HW

Similar Triangles

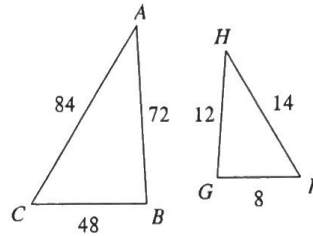
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



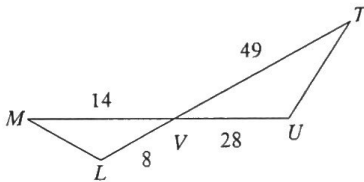
$\triangle UTS \sim$ Not Similar

2)



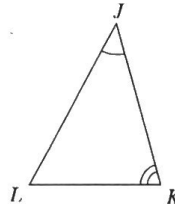
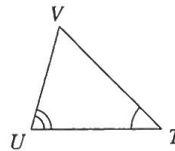
$\triangle CBA \sim$ FGH by SSS \sim

3)



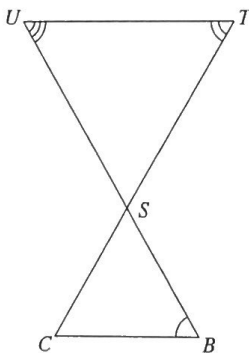
$\triangle VUT \sim$ $\triangle VLM$ by SAS \sim

4)



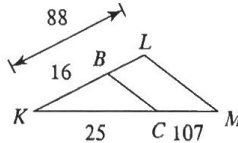
$\triangle JKL \sim$ $\triangle TUV$ by AA \sim

5)



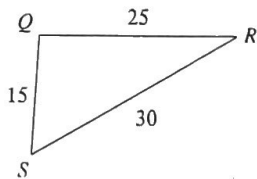
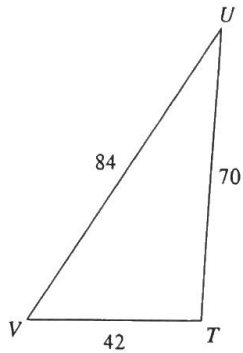
$\triangle STU \sim$ Not Similar

6)



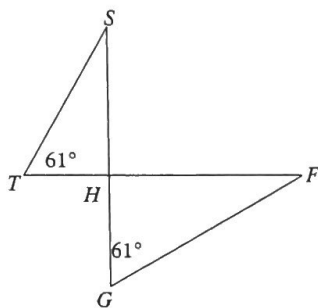
$\triangle KLM \sim$ Not Similar

7)



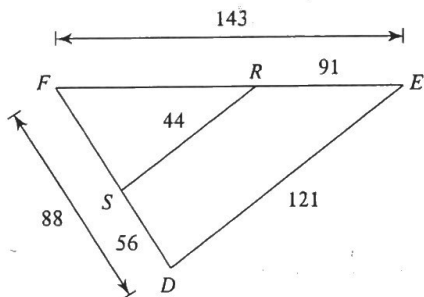
$\triangle TUV \sim \triangle QRS$ by SSS

9)



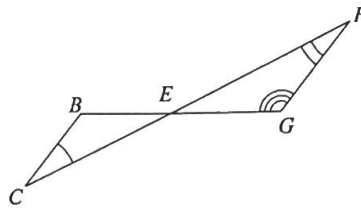
$\triangle HGF \sim \triangle HTS$ by AA \sim

11)



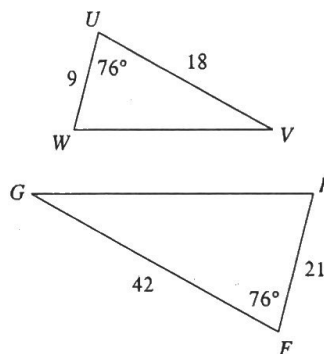
$\triangle FED \sim \triangle FRS$ by SSS \sim

8)



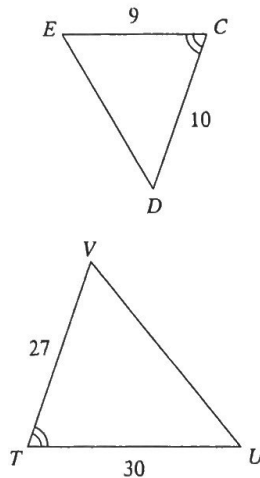
$\triangle BEC \sim \triangle GEF$ - NOT Similar

10)



$\triangle UVW \sim \triangle GFH$ by SAS \sim

12)



$\triangle TVU \sim \triangle ACDE$ by SAS \sim