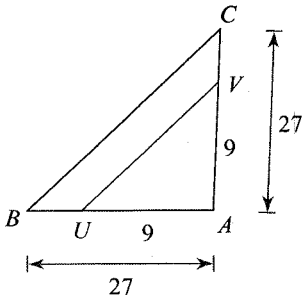


Similar Triangles

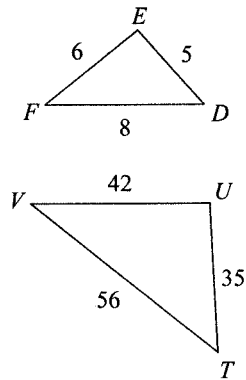
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



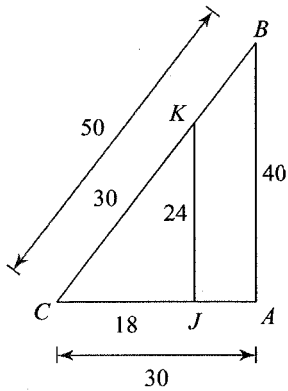
$\triangle ABC \sim$ _____

2)



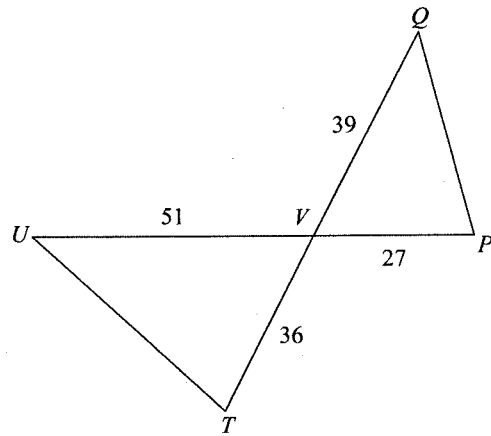
$\triangle VUT \sim$ _____

3)



$\triangle CBA \sim$ _____

4)

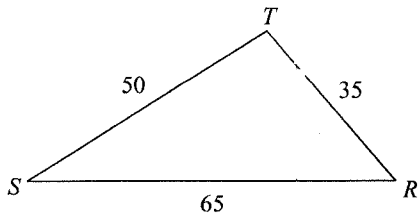
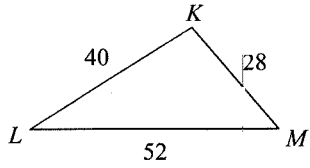


$\triangle VUT \sim$ _____

Answers to Similar Triangles

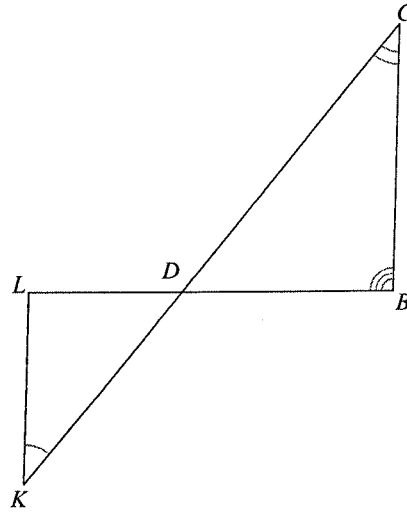
- 1) similar; SAS similarity; $\triangle AUV$
- 2) similar; SSS similarity; $\triangle FED$
- 3) similar; SSS similarity; $\triangle CKJ$
- 4) not similar
- 5) similar; SSS similarity; $\triangle MLK$
- 6) not similar
- 7) similar; AA similarity; $\triangle FEW$
- 8) similar; SAS similarity; $\triangle FRS$
- 9) 65
- 10) 60
- 11) 66
- 12) 72
- 13) 11
- 14) 60
- 15) 60
- 16) 91
- 17) 10
- 18) 7
- 19) 9
- 20) 3
- 21) 14
- 22) 12
- 23) 5
- 24) 11

5)



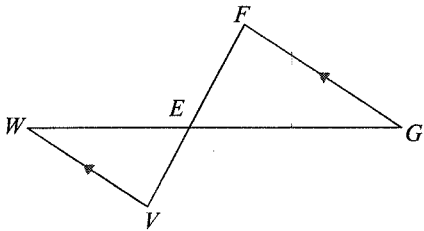
$\triangle RST \sim$ _____

6)



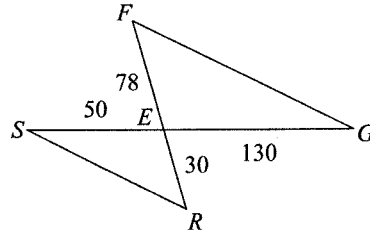
$\triangle DCB \sim$ _____

7)



$\triangle EFG \sim$ _____

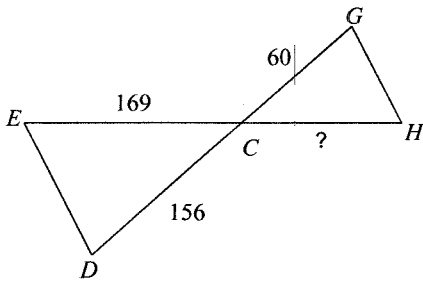
8)



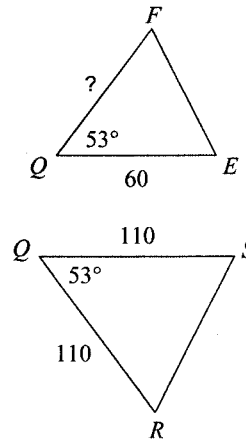
$\triangle EFG \sim$ _____

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

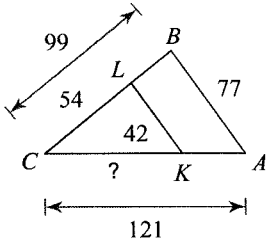
9)



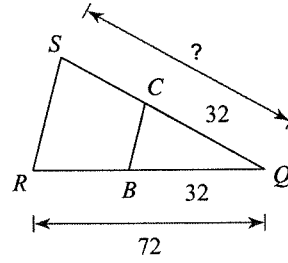
10)



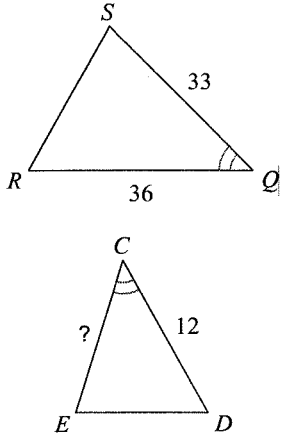
11)



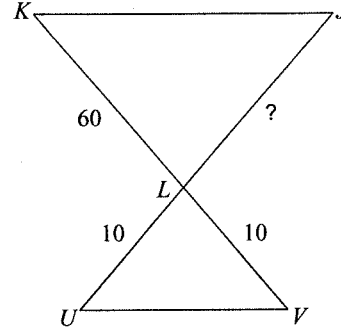
12)



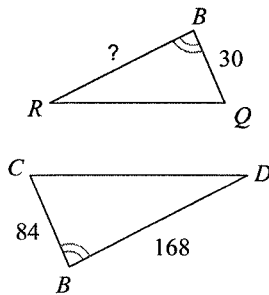
13)



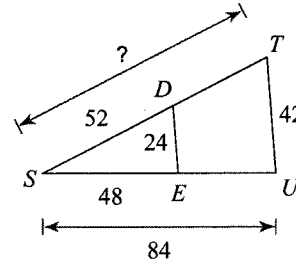
14)



15)

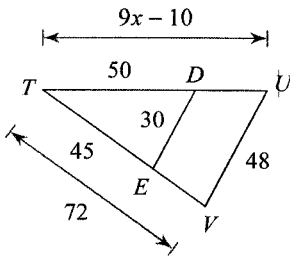


16)

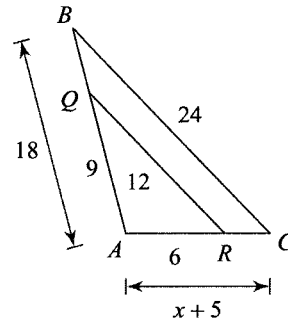


Solve for x . The triangles in each pair are similar.

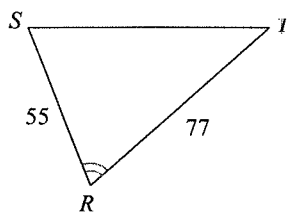
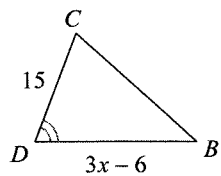
17)



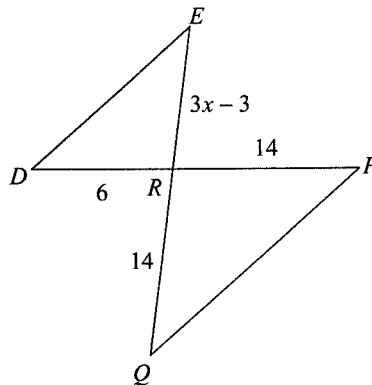
18)



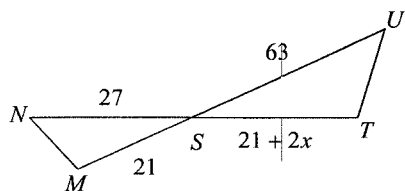
19)



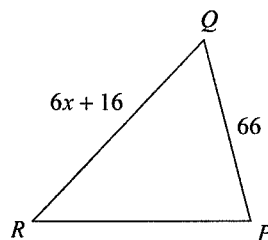
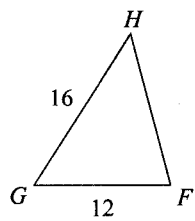
20)



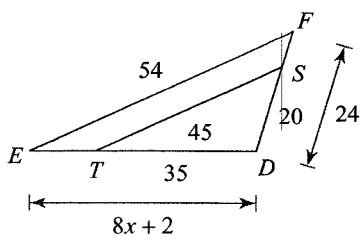
21)



22)



23)



24)

