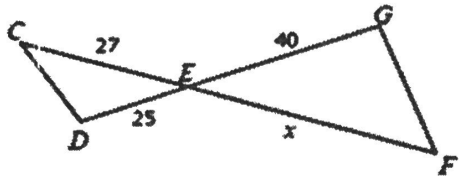
1. The ratio of the sides of a triangle is 2:6:7. If the perimeter of the triangle is 195 meters, what is the length of the longest side?

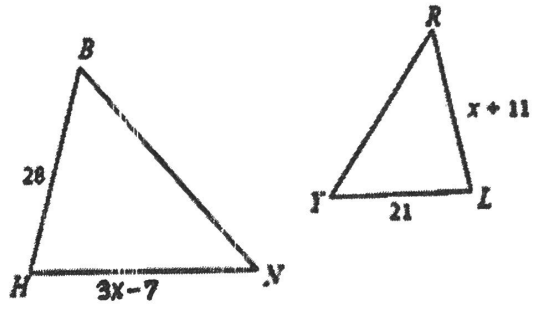
2. The ratio of the angles in a triangle is 3:10:7. What is the measure of the smallest angle?

6. If $\Delta CDE \sim \Delta FGE$, find the value of x.

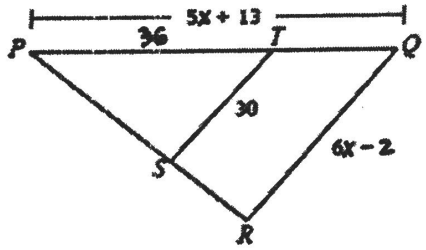


$x =$

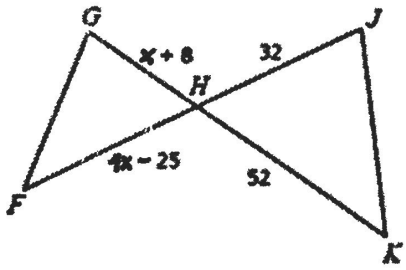
7. If $\Delta HEN \sim \Delta LYR$, find the value of x.



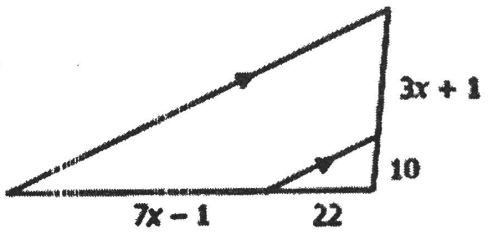
8. If $\Delta PTS \sim \Delta PQR$, find the value of x.



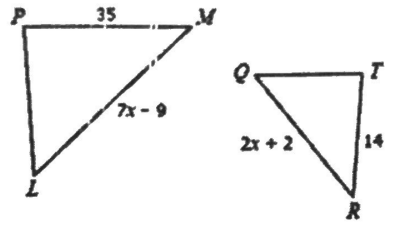
9. If $\Delta FGH \sim \Delta KJH$, find FH.



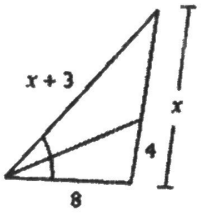
21. Solve for x.



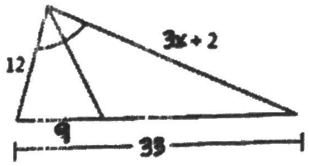
10. If $\Delta PML \sim \Delta TRQ$, find QR.



25. Solve for x.

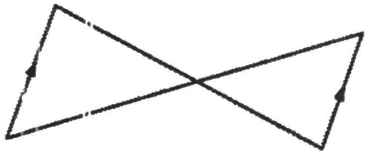


24. Solve for x.



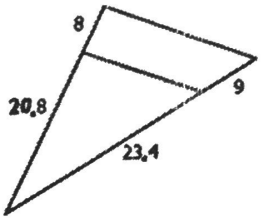
For Questions 11-16, determine how (if possible) the triangles can be proved similar.

11.



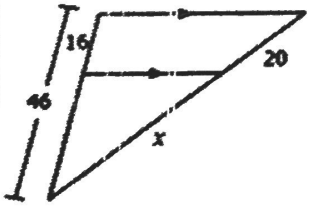
A. AA~
B. SSS~
C. SAS~
D. Not Similar

12.



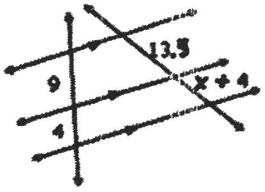
A. AA~
B. SSS~
C. SAS~
D. Not Similar

19. Solve for x.



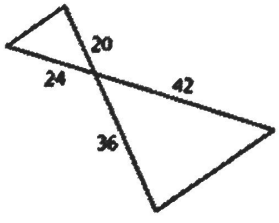
$x =$

20. Solve for x.



$x =$

13.



A. AA~
B. SSS~
C. SAS~
D. Not Similar

14.

A. AA~
B. SSS~
C. SAS~
D. Not Similar