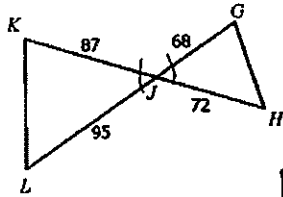


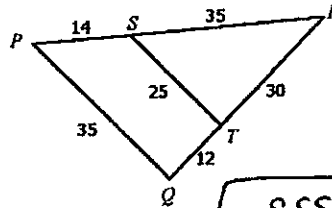
11.



$$\frac{68}{87} = \frac{72}{95}$$

Not ~

12.



$$\frac{49}{35} = \frac{35}{25} = \frac{42}{30}$$

SSS ~

 $\triangle PQR \sim \triangle STR$ **Review!**

13. The ratios of the measures of the sides of a triangle is 2:10:7. Find the length of each side if the perimeter of the triangle is 228 meters.

$$2x + 10x + 7x = 228$$

$$19x = 228$$

$$x = 12$$

24m, 120m, 84m

14. The ratios of the measures of the angles of a triangle is 5:13:2. Find the measures of the angles.

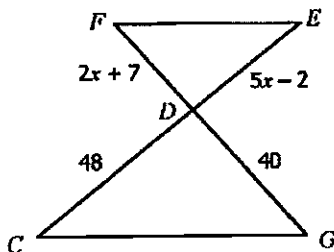
$$5x + 13x + 2x = 180$$

$$20x = 180$$

$$x = 9$$

45°, 117°, 18°

15. If $\triangle CDG \sim \triangle EDF$, find the value of x .



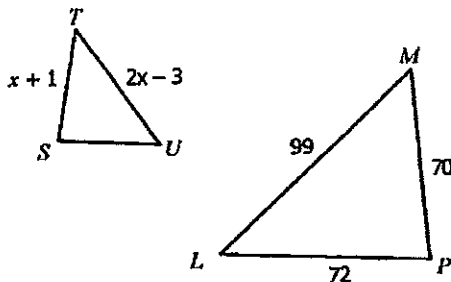
$$\frac{2x+7}{40} = \frac{5x-2}{48}$$

$$96x + 336 = 200x - 80$$

$$416 = 104x$$

$$4 = x$$

16. If $\triangle STU \sim \triangle PLM$, find the value of x .



$$\frac{x+1}{72} = \frac{2x-3}{99}$$

$$99x + 99 = 144x - 216$$

$$315 = 45x$$

$$7 = x$$