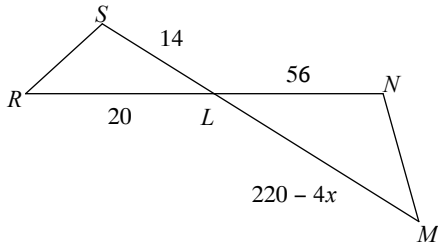


SATPREP

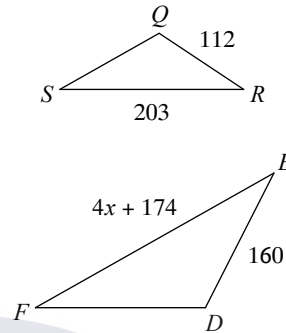
Assignment- Similarity

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

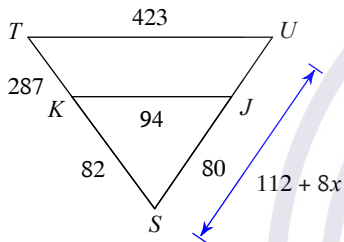
1) $\triangle LMN \sim \triangle LRS$



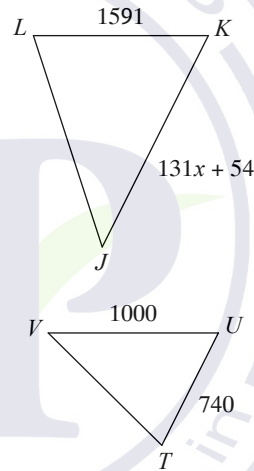
2) $\triangle DEF \sim \triangle QRS$



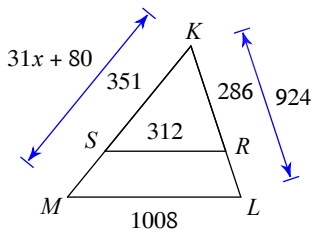
3)



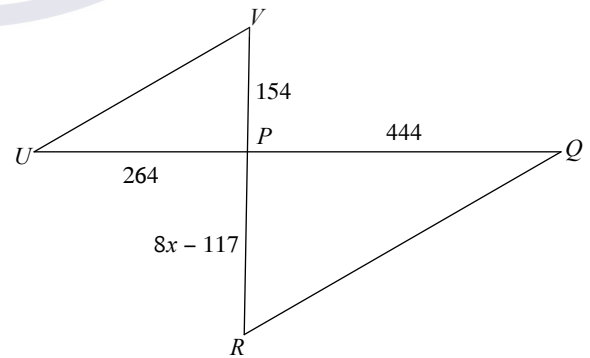
4) $\triangle JKL \sim \triangle VUT$



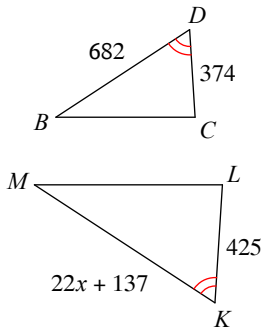
5)



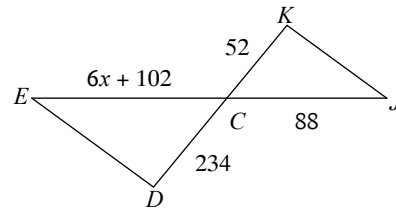
6) $\triangle PQR \sim \triangle PUV$



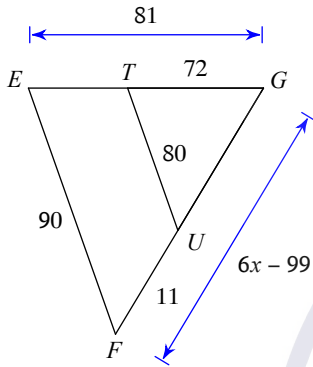
7) $\triangle KLM \sim \triangle DCB$



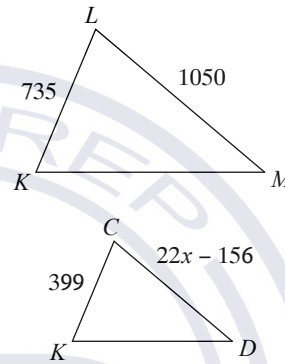
8) $\triangle CDE \sim \triangle CKJ$



9)



10) $\triangle KLM \sim \triangle KCD$



Solve each proportion.

11) $\frac{r - 11}{5} = \frac{r - 11}{2}$

12) $\frac{n - 2}{n - 11} = \frac{8}{9}$

13) $\frac{r + 7}{10} = \frac{r + 9}{5}$

14) $\frac{3}{7} = \frac{n + 2}{n - 6}$

15) $\frac{7}{x - 12} = -\frac{11}{x + 4}$

16) $\frac{4}{x + 2} = \frac{10}{x - 12}$

17) $\frac{p + 5}{p - 2} = \frac{2}{8}$

18) $-\frac{5}{7} = \frac{x + 6}{x - 11}$

19) $-\frac{10}{11} = \frac{v - 11}{v + 1}$

20) $\frac{k + 11}{k + 5} = \frac{7}{2}$

Answers to Assignment- Similarity

1) 35

5) 34

9) 33

13) $\{-11\}$

17) $\{-7.33\}$

2) 29

6) 47

10) 33

14) $\{-8\}$

18) $\{1.08\}$

3) 31

7) 29

11) $\{11\}$

15) $\{5.78\}$

19) $\{5.29\}$

4) 16

8) 49

12) $\{-70\}$

16) $\{-11.33\}$

20) $\{-2.6\}$

