

Similar Polygons

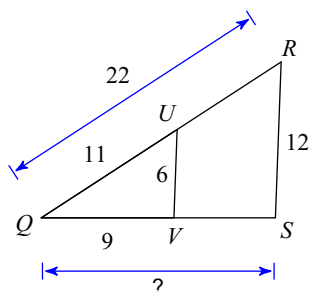
© 2020 Kuta Software LLC. All rights reserved.

Name _____

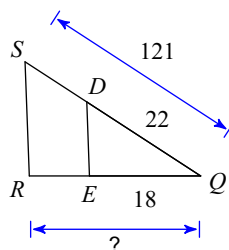
Date _____

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

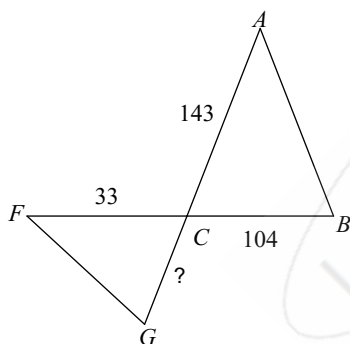
1)



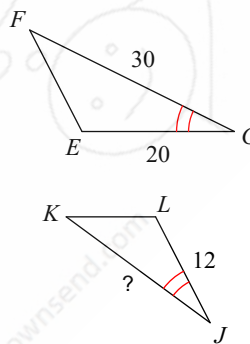
2)



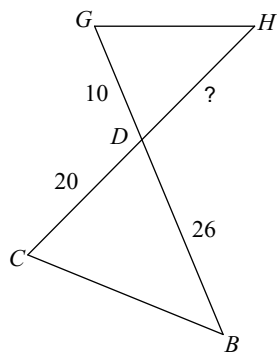
3) $\triangle CBA \sim \triangle CGF$



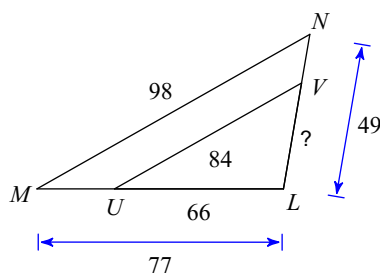
4) $\triangle GFE \sim \triangle JKL$



5) $\triangle DCB \sim \triangle DGH$

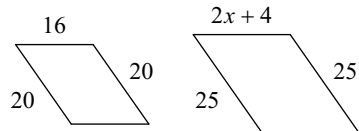


6)

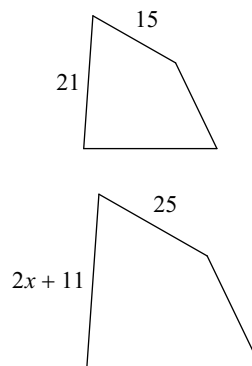


Solve for x . The polygons in each pair are similar.

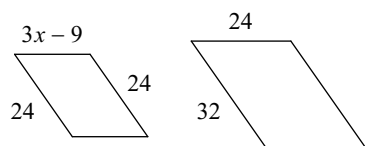
7)



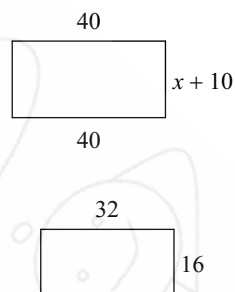
8)



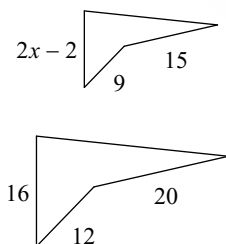
9)



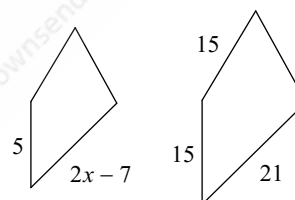
10)



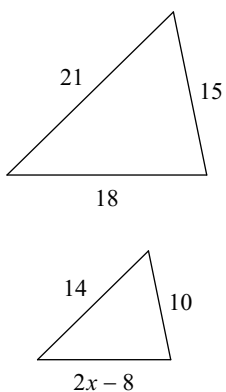
11)



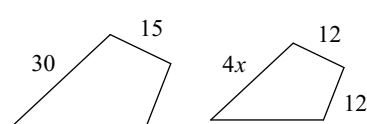
12)



13)



14)



Answers to Similar Polygons

1) 18
5) 13
9) 9
13) 10

2) 99
6) 42
10) 10
14) 6

3) 24
7) 8
11) 7

4) 18
8) 12
12) 7

