

6.1 Triangles

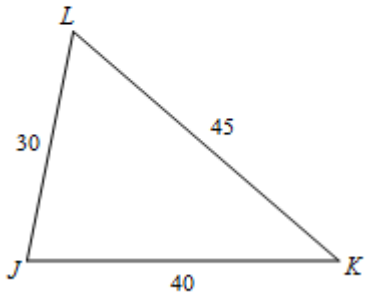
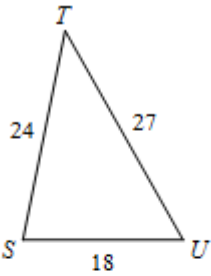
NAME: _____

CORRECTIVE ASSIGNMENT

DATE: _____

The following triangles are similar. Fill in the blank (order is important!). Find the scale factor.

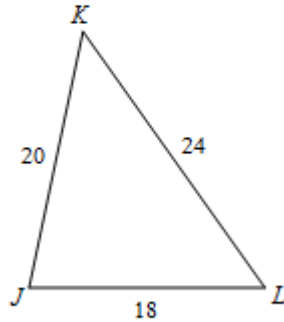
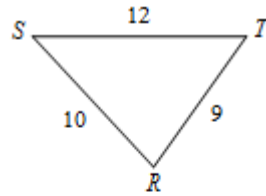
1.



$\triangle JKL \sim$ _____

Scale Factor =

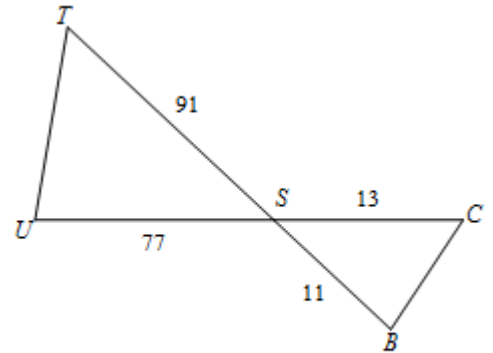
2.



$\triangle JKL \sim$ _____

Scale Factor =

3.

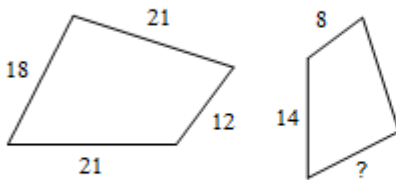


$\triangle STU \sim$ _____

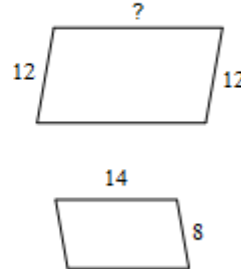
Scale Factor =

The polygons in each pair are similar. Find the missing side length.

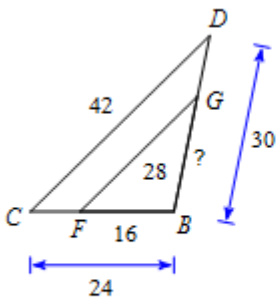
4)



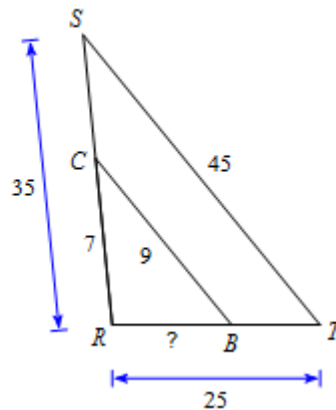
5)

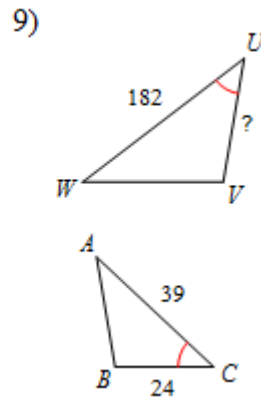
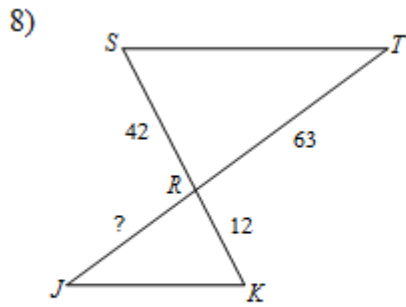


6)

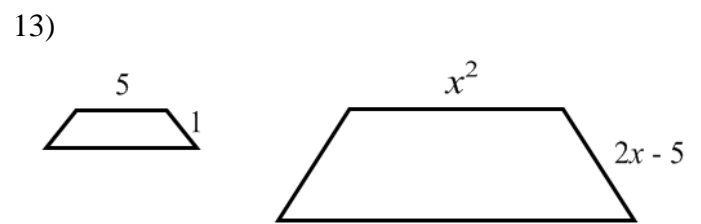
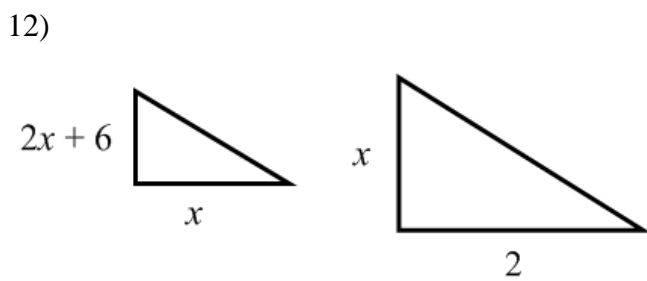
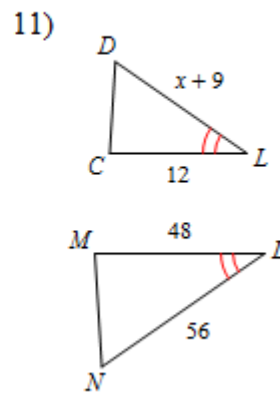
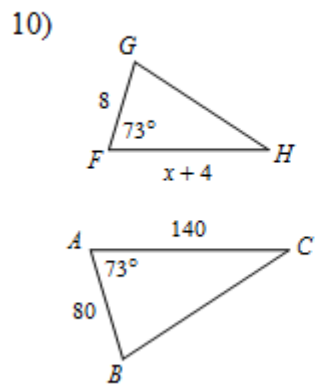


7)





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



ANSWERS TO 6.1 CORRECTIVE ASSIGNMENT!

1) $\triangle STU$

Scale Factor = $\frac{3}{5}$ or $\frac{5}{3}$

4) 12

8) 18

12) $x = 6$ and -2

2) $\triangle RST$

Scale Factor = 2 or $\frac{1}{2}$

5) 21

9) 112

13) $x = 5$

3) $\triangle SCB$

Scale Factor = 7 or $\frac{1}{7}$

6) 20

10) 10

7) 5

11) 5