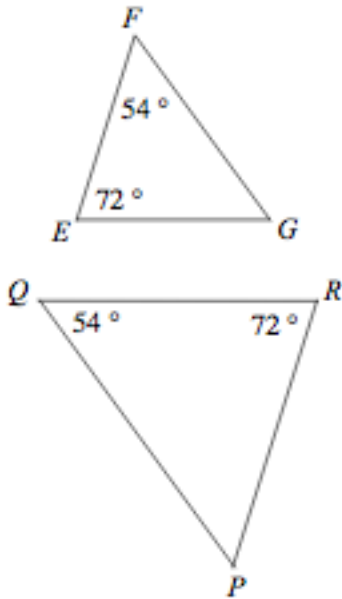


Geometry 2c: Side Lengths of Similar Triangles
Homework #9

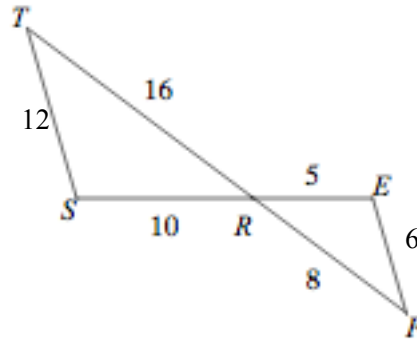
Name _____
 Per _____ Date _____

For each pair of similar triangles, write a similarity statement and their similarity ratio.

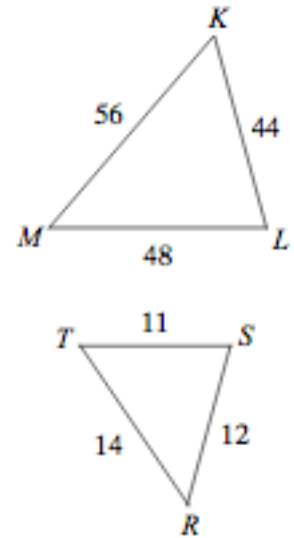
1.



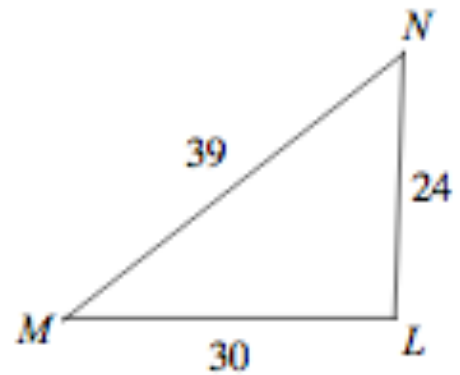
2.



3.



4. $\triangle LMN \sim \triangle UVW$ (which is not shown). If the similarity ratio of $\frac{3}{8}$, determine the lengths of all three sides of $\triangle UVW$.



5. $\triangle LMN \sim \triangle QRS$ with a similarity ratio of $\frac{4}{5}$. If $LN = 40$, $QR = 65$ and $RS = 50$, determine the lengths of the following sides.

a. $LM =$ _____

b. $MN =$ _____

c. $QS =$ _____