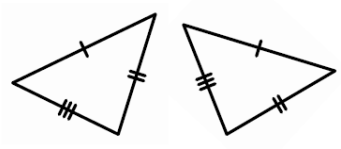
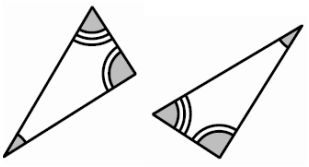
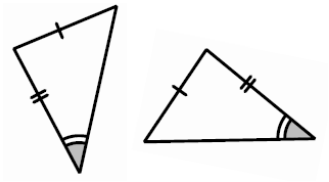
Name: _____ Date: _____ Period: _____ Score: _____

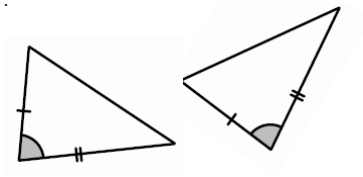
Unit 8 Day 2 – Triangle Congruence #2 Assignment

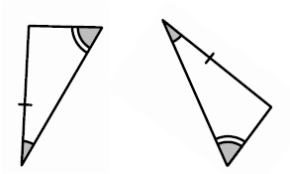
Explain whether or not the triangles are congruent, similar, or neither based on the markings that indicate congruent parts. Your choices are SSS, SSA, SAS, ASA, AAS, AAA

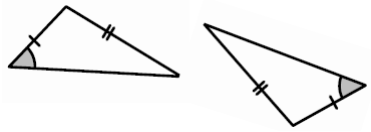
1. 

2. 

3. 

4. 

5. 

6. 

Use the given congruence statement to draw and label two triangles that have the proper corresponding parts congruent to one another.

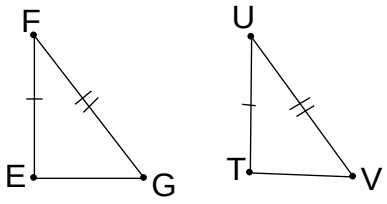
7. $\Delta ABC \cong \Delta PQR$

8. $\Delta XYZ \cong \Delta KLM$

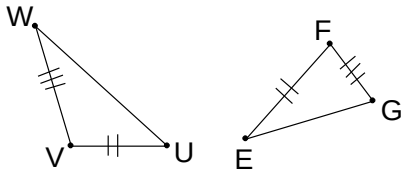
It is more about the learning than the earning.

State what additional side(s) or angle(s) are required in order to know that the triangles are congruent for the reason given.

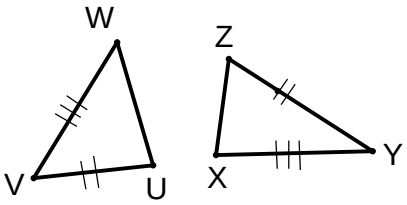
9. SAS



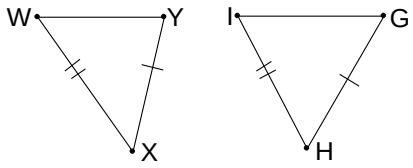
10. ASA



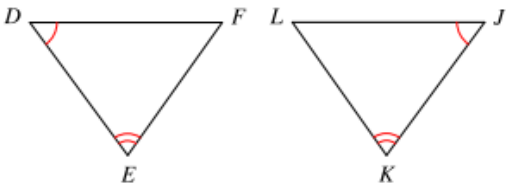
11. SAS



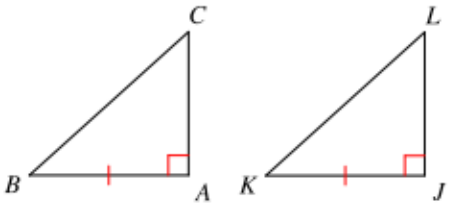
12. SSS



13. ASA



14. AAS



Solve each equation for ***t***.

15. $\frac{3t-4}{5} = 5$

16. $10 - t = 4t + 12 - 3t$

Use the given sequence of numbers to write a *recursive* rule for the *n*th value of the sequence.

17. $5,\ 15,\ 45, \ldots$

18. $\frac{1}{2},\ \frac{1}{4},\ \frac{1}{8}, \ldots$