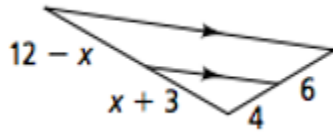


Name: _____ Hour _____

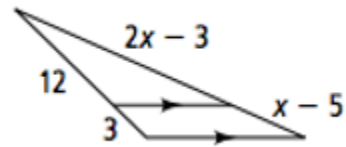
Section 10.5 Proportions with the Side Splitter Theorem
Worksheet

Solve for x.

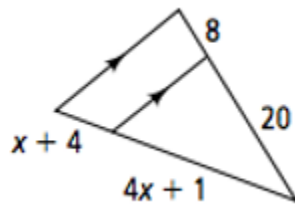
1.



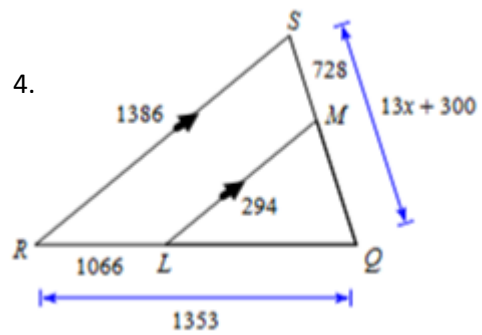
2.



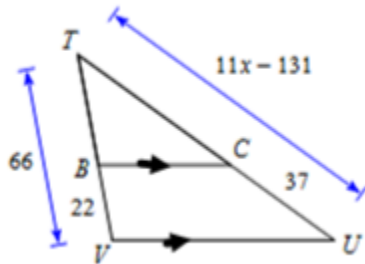
3.



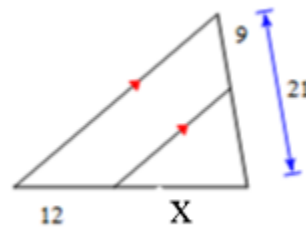
4.



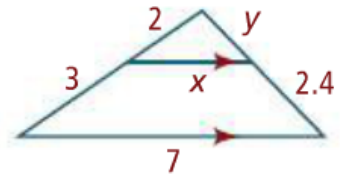
5.



6.



7. A classmate says you can use the Side-Splitter Theorem to find both x and y in the diagram. Explain what is wrong with your classmate's statement.

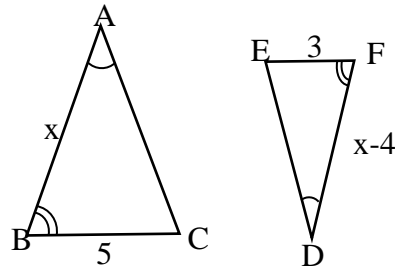


8. Similarity statement: _____

Find x : _____

Find \overline{AB} _____

Find \overline{DF} _____



Determine if each pairs of triangles are similar.

If Similar (a) Write the similarity postulate that supports it; (b) Write a similarity statement.

If not Similar (a) Write no; (b) Justify why they are not similar.

