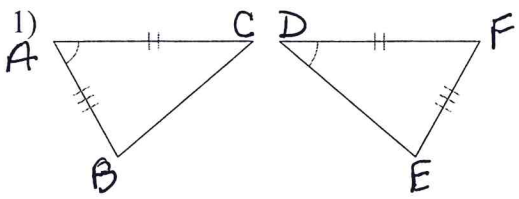
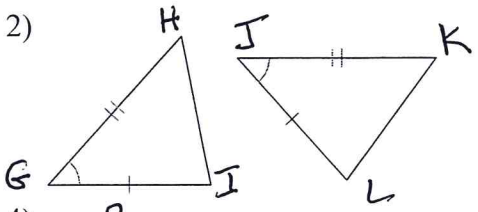
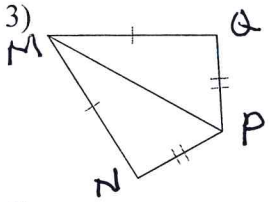
Math 1 #12.7B Name_____

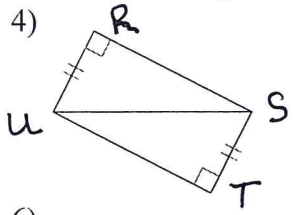
Date_____ Period____

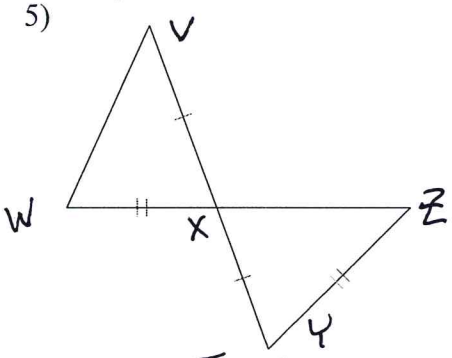
Are the two triangles congruent? If yes: a) by what theorem? b) write a congruence statement. If no, write not enough information.

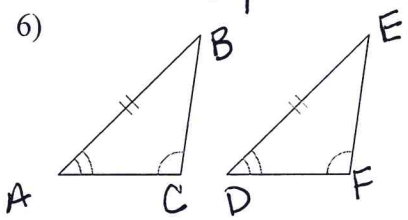
1) 

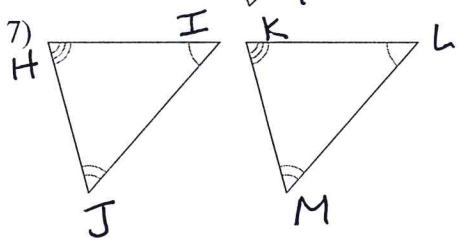
2) 

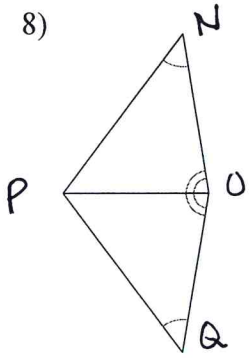
3) 

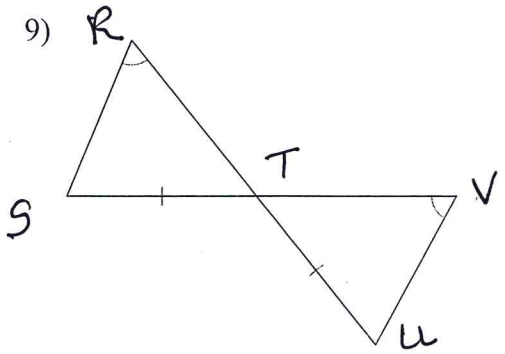
4) 

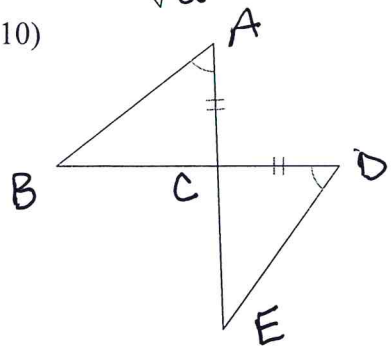
5) 

6) 

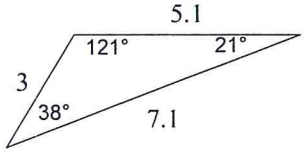
7) 

8) 

9) 

10) 

Classify each triangle by its angles (acute, right, obtuse, equiangular) and sides (scalene, isosceles, equilateral).

11) 

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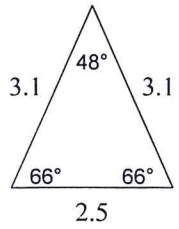

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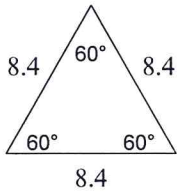
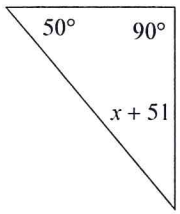


Solve for *x*.

14)



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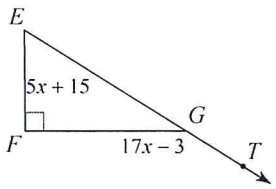
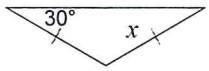
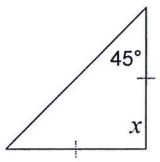


Find the value of *x*.

16)

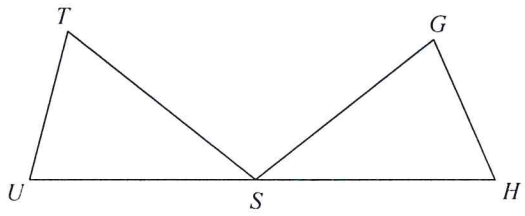


17)



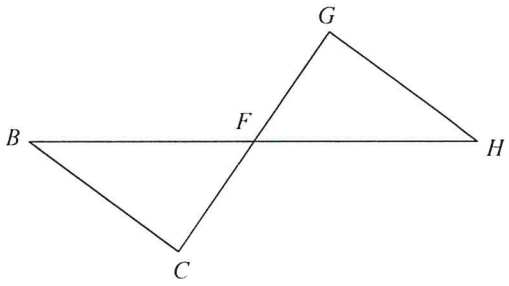
Complete each congruence statement by naming the corresponding angle or side.

18) $\triangle UTS \cong \triangle GHS$



$\angle T \cong ?$

19) $\triangle FGH \cong \triangle FCB$



$\overline{HF} \cong ?$

Find the value of *x*.

20)