

Pre-Algebra

State if the three numbers can be the measures of the sides of a triangle.

1) 3, 12, 10  
 $3 + 12 > 10$   
 $3 + 10 > 12$   
 $12 + 10 > 3$   
yes

2) 12, 10, 22  
 $12 + 10 = 22$   
NO

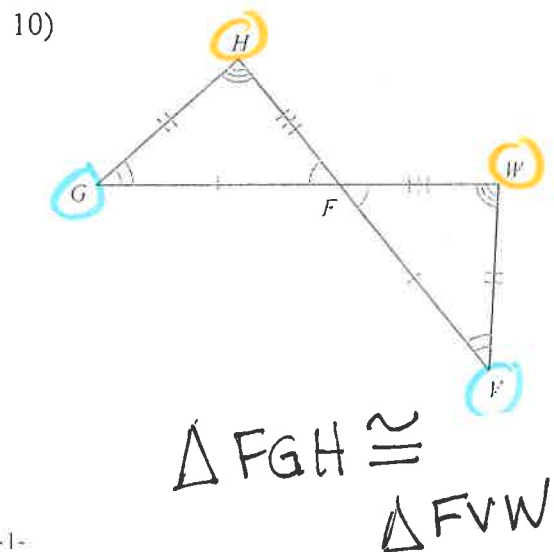
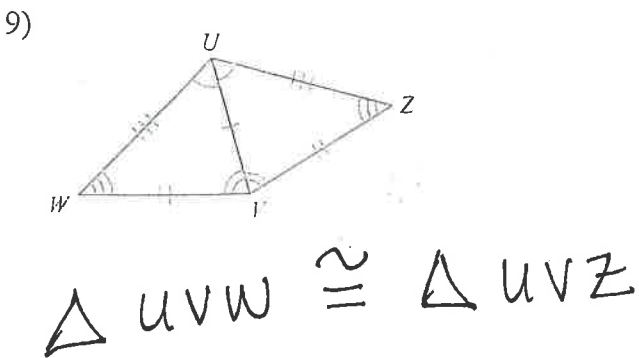
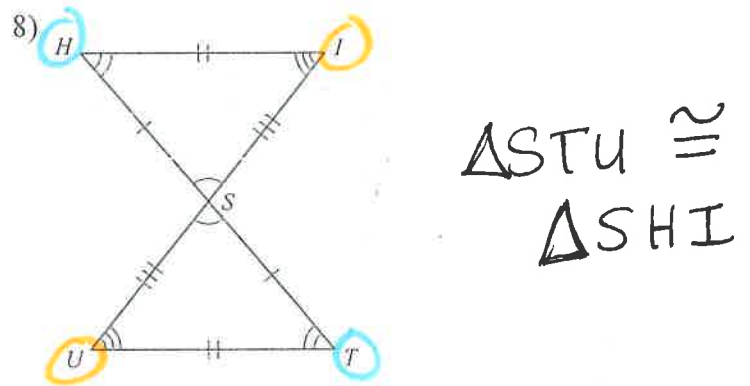
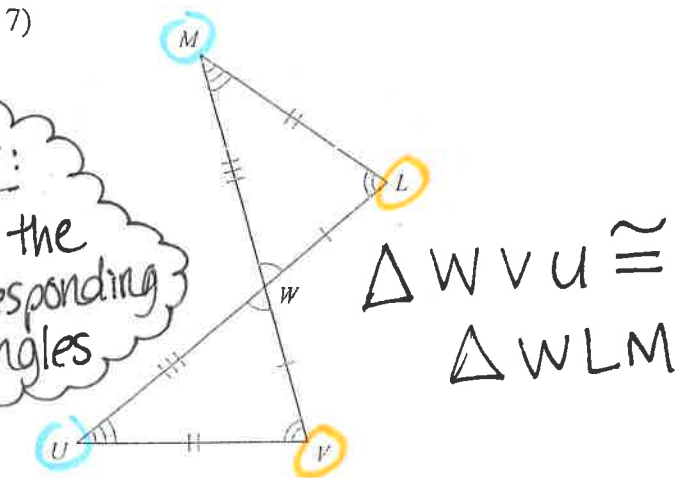
3) 11, 6, 3  
 $6 + 3 < 11$   
NO

4) 12, 9, 3  
 $9 + 3 = 12$   
NO

5) 10, 6, 18  
 $10 + 6 < 18$   
NO

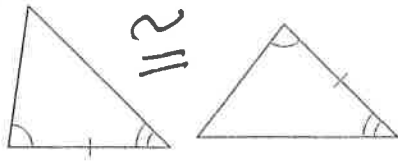
6) 7, 8, 3  
 $7 + 8 > 3$   
 $8 + 3 > 7$   
 $7 + 3 > 8$   
yes

Write a statement that indicates that the triangles in each pair are congruent.



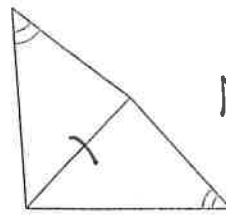
Determine if the two triangles are congruent. If they are, state how you know.

11)



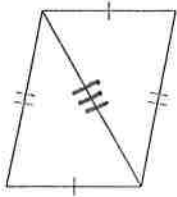
ASA

12)



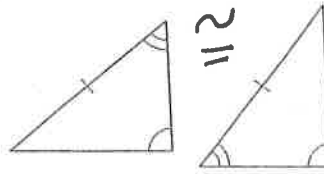
Not enough info.

13)



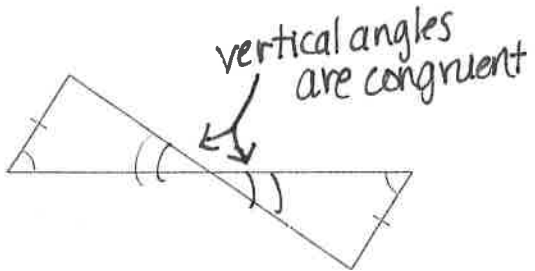
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14)



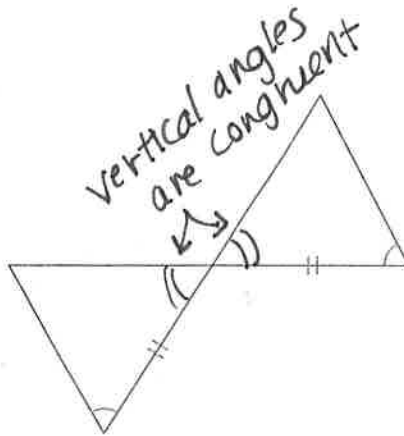
AAS

15)



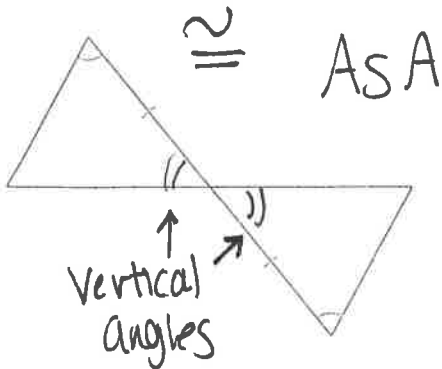
AAS

16)



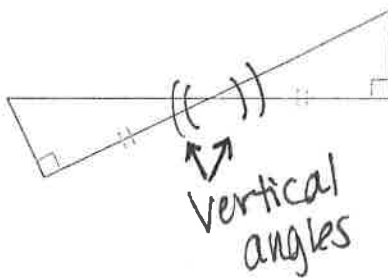
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17)



ASA

18)



ASA