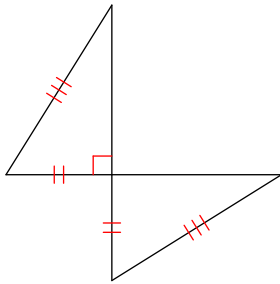


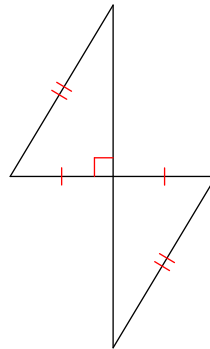
# AAS & HL Theorem Worksheet

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

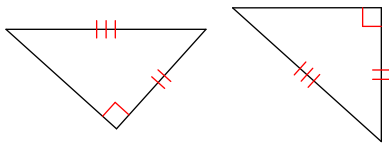
1)



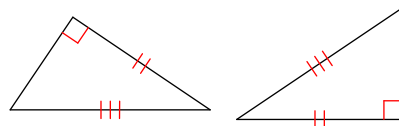
2)



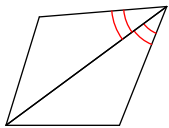
3)



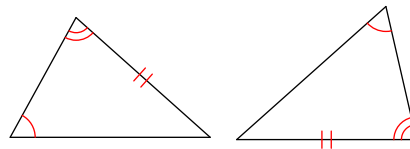
4)



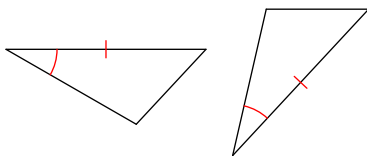
5)



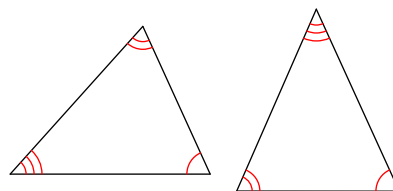
6)



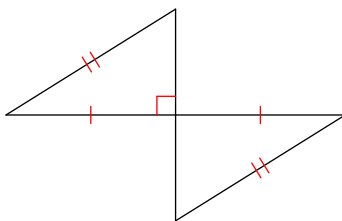
7)



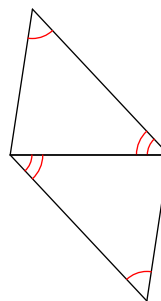
8)



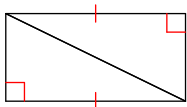
9)



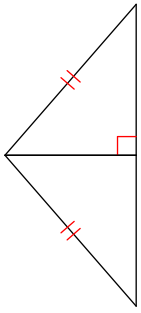
10)



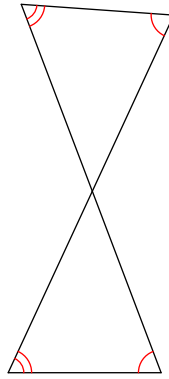
11)



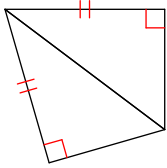
12)



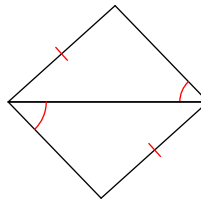
13)



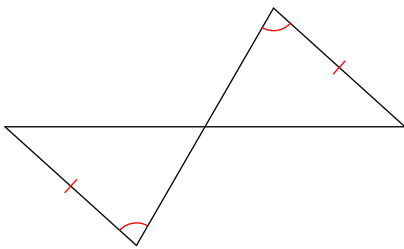
14)



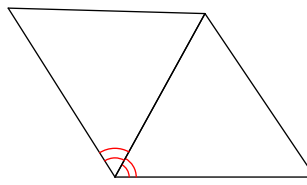
15)



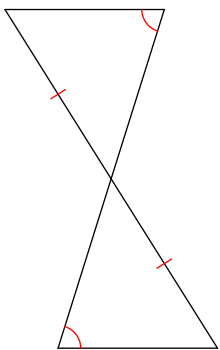
16)



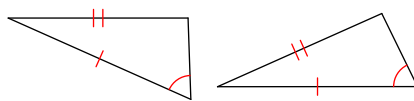
17)



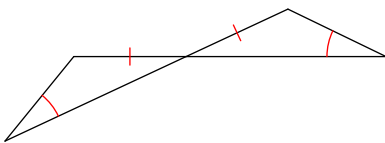
18)



19)

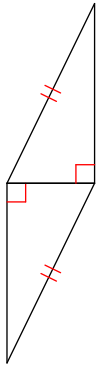


20)

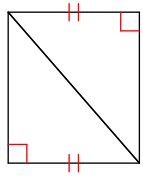


**Label the triangles and write a two-column proof to show that they are congruent.**

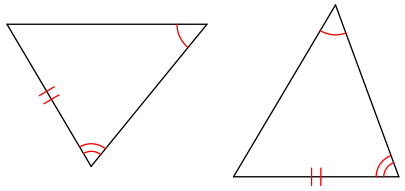
21)



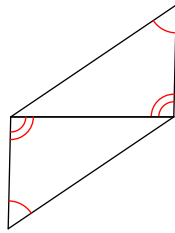
22)



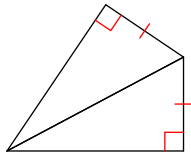
23)



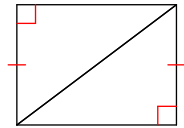
24)



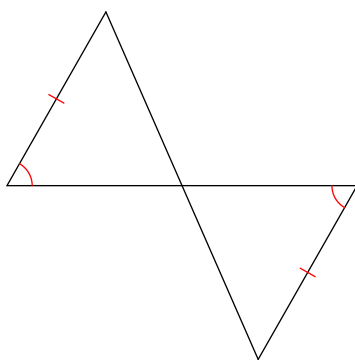
25)



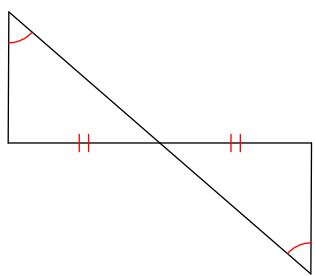
26)



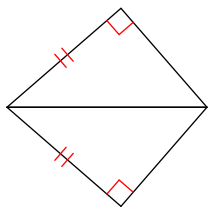
27)



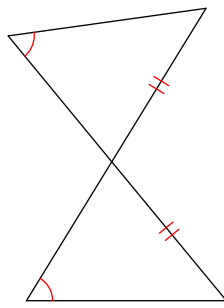
28)



29)



30)



## Answers to AAS & HL Theorem Worksheet (ID: 1)

1) HL  
9) HL  
17) Not congruent  
25) HL

3) HL  
11) HL  
19) Not congruent  
27) AAS

5) Not congruent  
13) Not congruent  
21) HL  
29) HL

7) Not congruent  
15) Not congruent  
23) AAS