

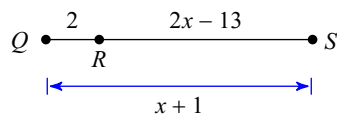
Assignment for Teacher: _____

Period _____

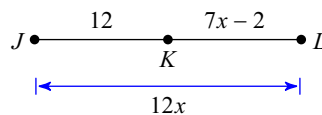
You must show all work to receive credit for problems in this packet.

Solve for x and the indicated length.

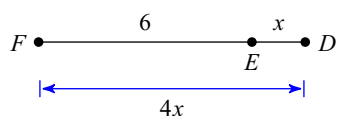
1) Find QS



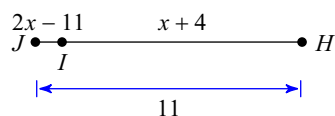
2) Find KL



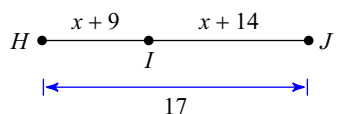
3) Find ED



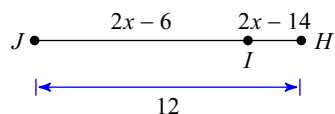
4) Find JI



5) Find HI

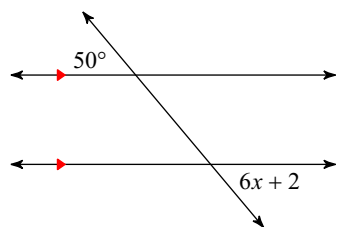


6) Find IH

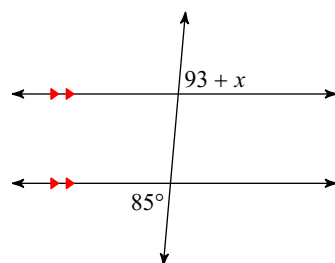


Solve for x .

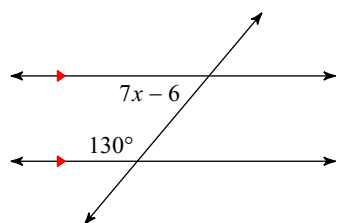
7)



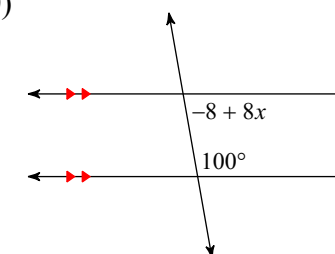
8)



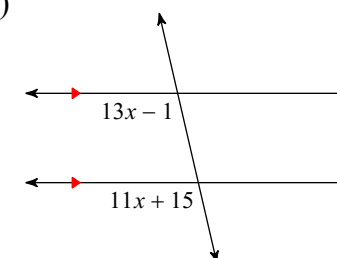
9)



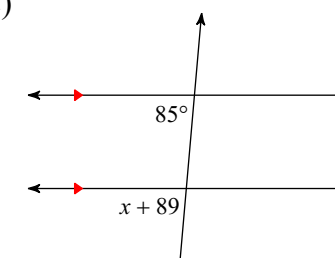
10)



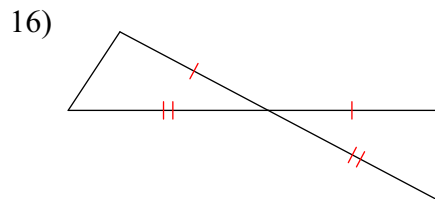
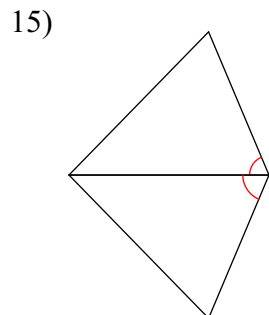
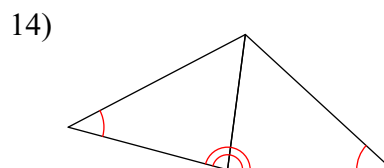
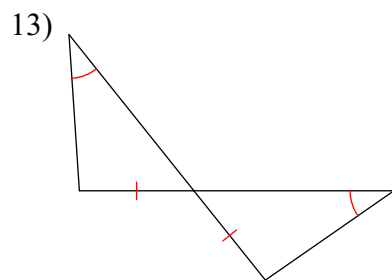
11)



12)

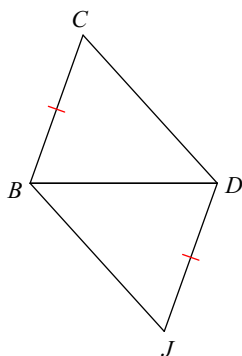


Determine if the two triangles are congruent. If they are, state how you know.

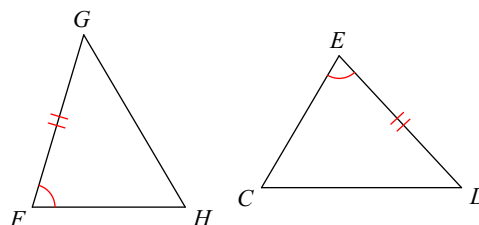


State what additional information is required in order to know that the triangles are congruent for the reason given.

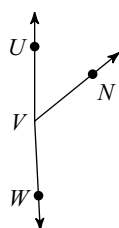
17) SSS



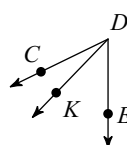
18) ASA



19) $m\angle UVW = 177^\circ$, $m\angle UVN = x + 53$,
and $m\angle NVW = x + 128$. Find $m\angle UVN$.



20) Find $m\angle EDC$ if $m\angle EDK = 5x + 4$,
 $m\angle KDC = 20^\circ$, and $m\angle EDC = 7x + 8$.

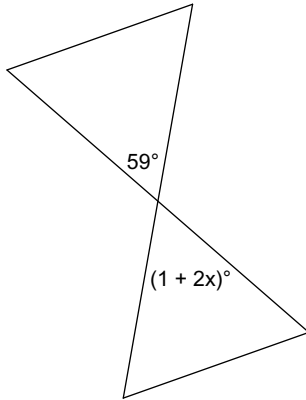


- 21) $m\angle VJK = 39x + 4$, $m\angle IJV = 20^\circ$,
and $m\angle IJK = 44x + 4$. Find $m\angle VJK$.

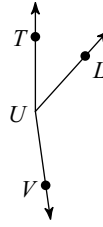


Find the value of x.

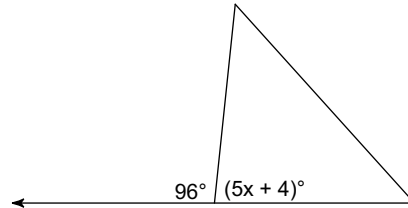
23)



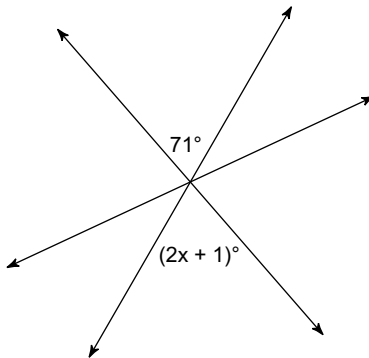
- 22) Find $m\angle TUL$ if $m\angle LUV = 44x - 2$,
 $m\angle TUV = 172^\circ$, and $m\angle TUL = 13x + 3$.



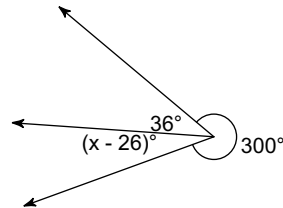
24)



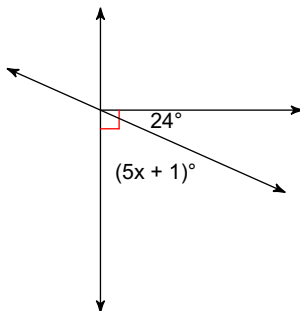
25)



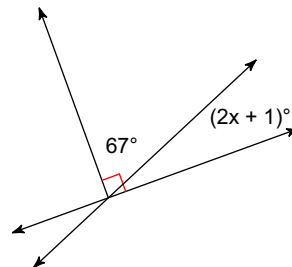
26)



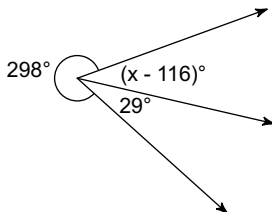
27)



28)



29)



30)

