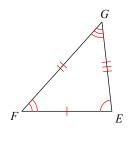
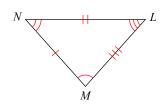
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Complete each congruence statement by naming the corresponding angle or side.

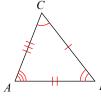
1) $\Delta EFG \cong \Delta MNL$





$$\angle F \cong ?$$

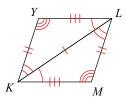
2) $\Delta CBA \cong \Delta WVU$





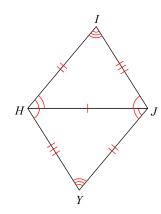
$$\overline{CB} \cong ?$$

3) $\Delta KLM \cong \Delta LKY$



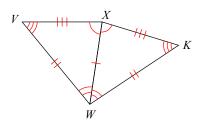
$$\overline{MK} \cong ?$$

4)
$$\Delta JHI \cong \Delta HJY$$



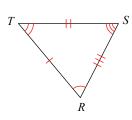
$$\angle IJH \cong ?$$

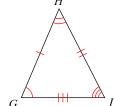
5) $\Delta XWV \cong \Delta XWK$



$$\angle XWV \cong ?$$

6) $\Delta RTS \cong \Delta GHI$

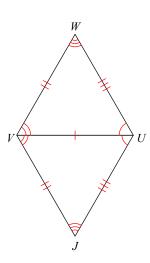




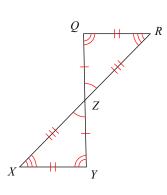
$$\overline{SR} \cong ?$$

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

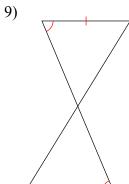
7)



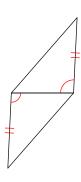
8)



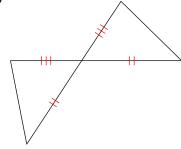
State if the two triangles are congruent. If they are, state how you know.



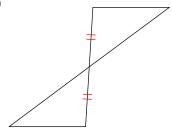
10)



11)

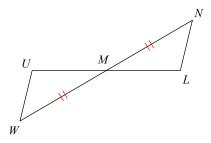


12)

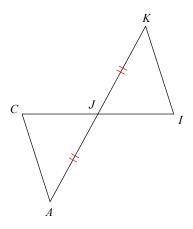


State what additional information is required in order to know that the triangles are congruent for the reason given.

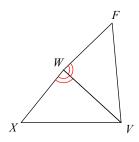
13) AAS



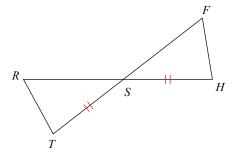
14) AAS



15) AAS



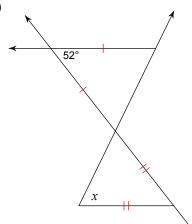
16) AAS



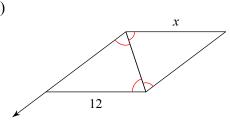
Find the value of x.

17) x H 60°

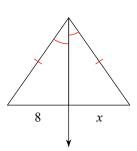
18)



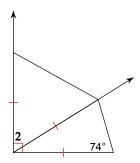
19)



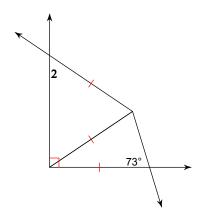
20)



21)
$$m \angle 2 = x + 69$$



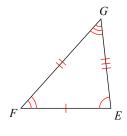
22)
$$m \angle 2 = 8x - 8$$

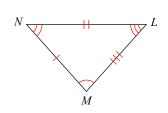


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Complete each congruence statement by naming the corresponding angle or side.

1) $\Delta EFG \cong \Delta MNL$

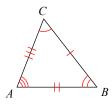


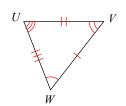


$$\angle F \cong ?$$

 $\angle N$

2) $\Delta CBA \cong \Delta WVU$

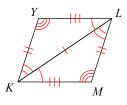




$$\overline{CB} \cong ?$$

 \overline{WV}

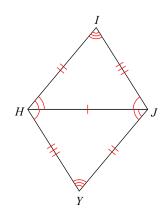
3) $\Delta KLM \cong \Delta LKY$



$$\overline{MK} \cong ?$$

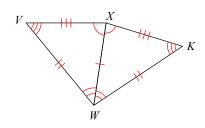
 \overline{YL}

4)
$$\Delta JHI \cong \Delta HJY$$



 $\angle YHJ$

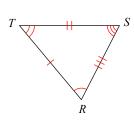
5) $\Delta XWV \cong \Delta XWK$

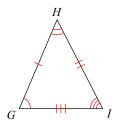


$$\angle XWV \cong ?$$

∠XWK

6) $\Delta RTS \cong \Delta GHI$



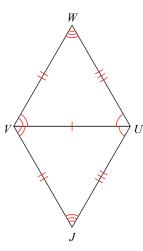


$$\overline{SR} \cong ?$$

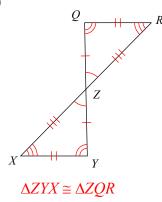
 \overline{IG}

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

7)



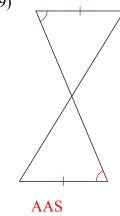
8)



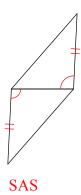
 $\Delta UVW \cong \Delta UVJ$

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

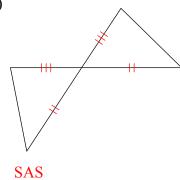
9)



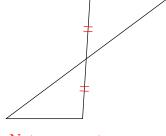
10)



11)



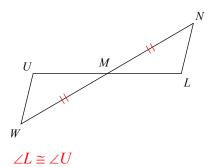
12)



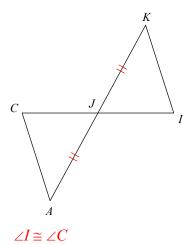
Not congruent

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

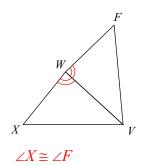
13) AAS



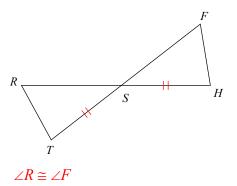
14) AAS



15) AAS

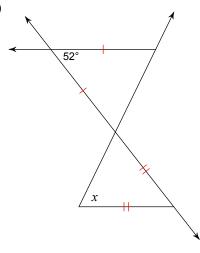


16) AAS

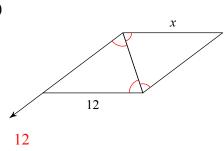


Find the value of x.

17) x 60°

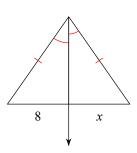


19)



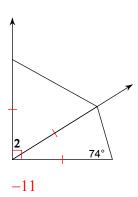
64°

20)

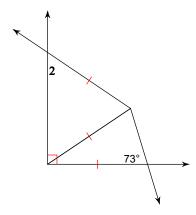


8

21) $m \angle 2 = x + 69$



22) $m \angle 2 = 8x - 8$



8