Math 1 Name_____

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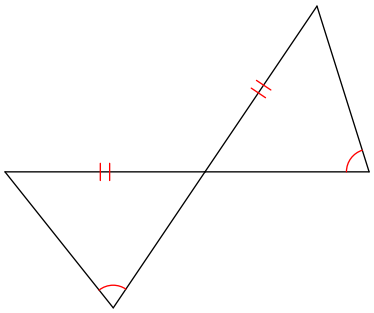
Unit 8.4 Prove Triangles Congruent by ASA and AAS EXAMPLE

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

1)



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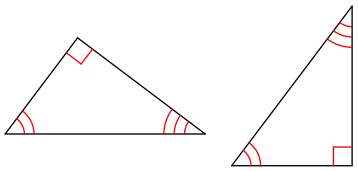

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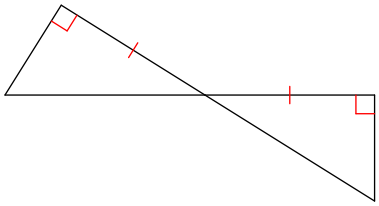

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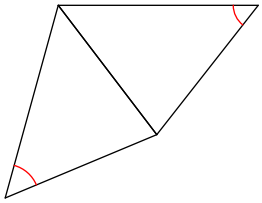

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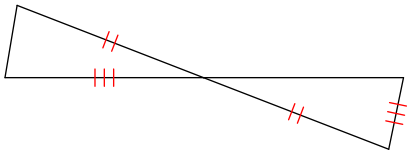

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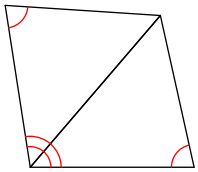

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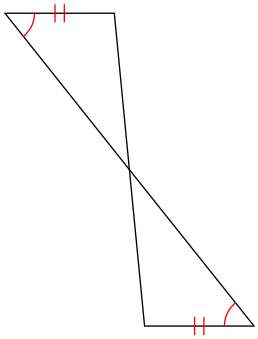

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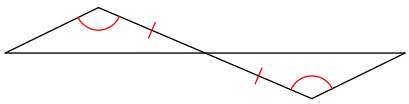

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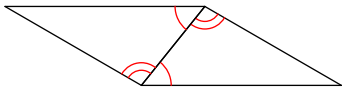

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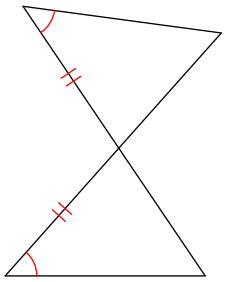

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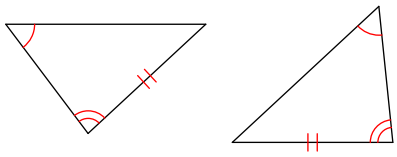

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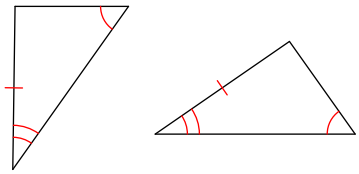
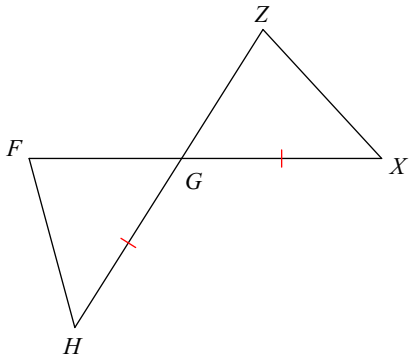
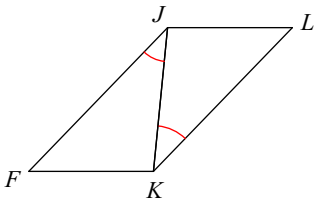


State what additional information is required in order to know that the triangles are congruent for the reason given.

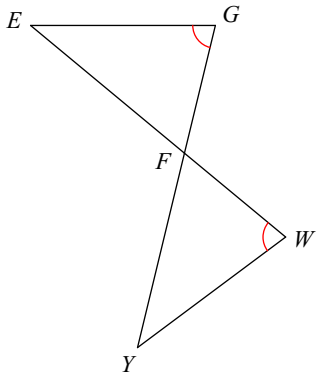
13) AAS



14) AAS



15) ASA



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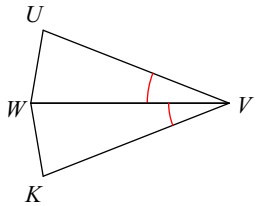

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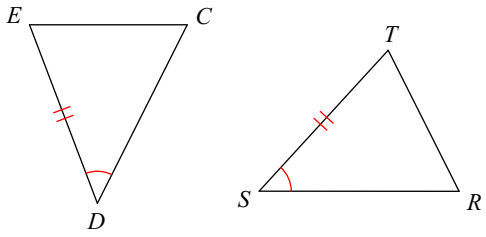
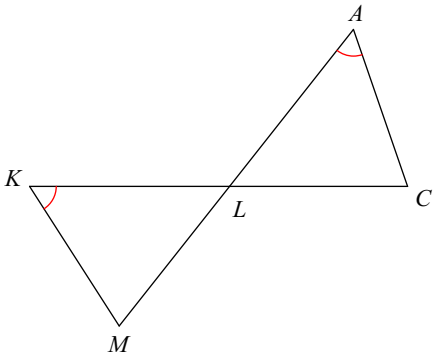
17) AAS



18) ASA



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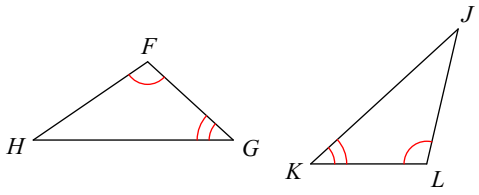

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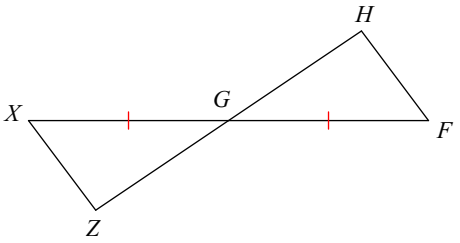

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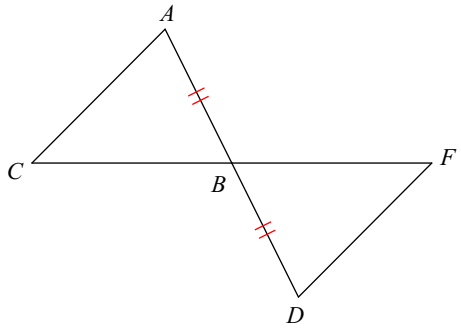
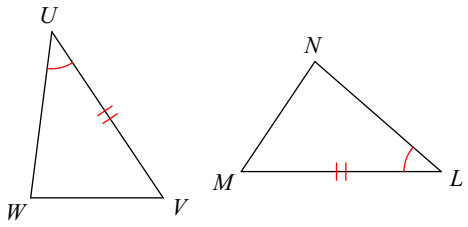


22) ASA



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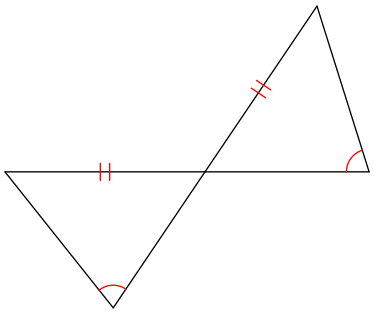
Unit 8.4 Prove Triangles Congruent by ASA and AAS EXAMPLE

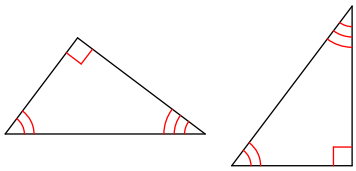
Determine if the two triangles are congruent. If they are, state how you know.

1)



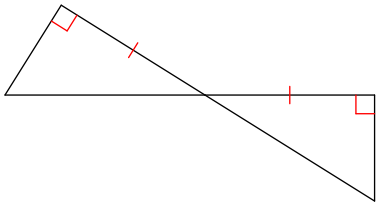
AAS

2)



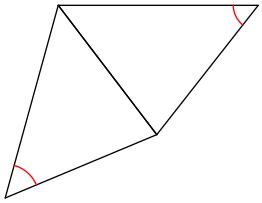
Not enough information

3)



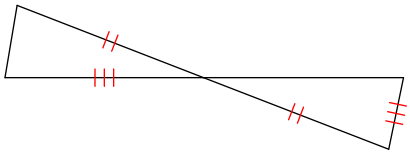
ASA

4)



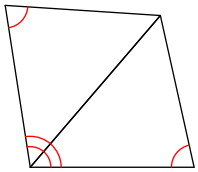
Not enough information

5)



Not enough information

6)



AAS

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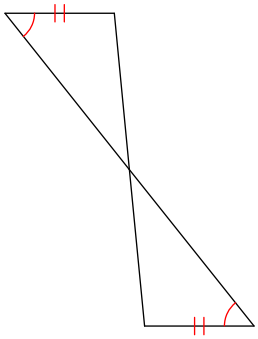

AAS

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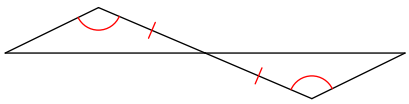

ASA

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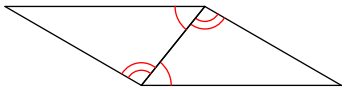
9) 

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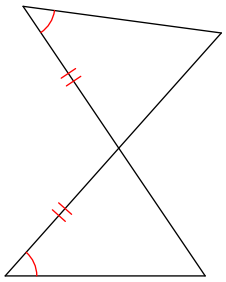
10) 

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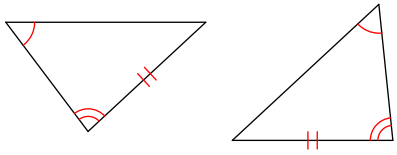
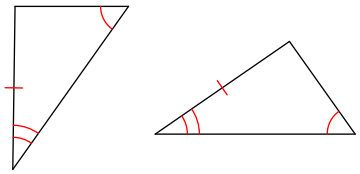
11) 

AAS

12) 

AAS

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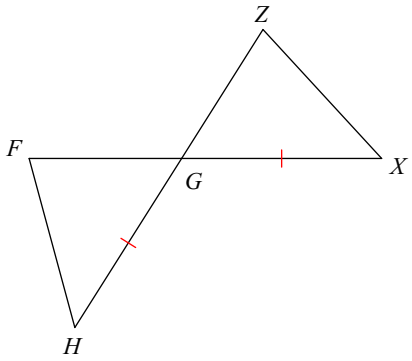
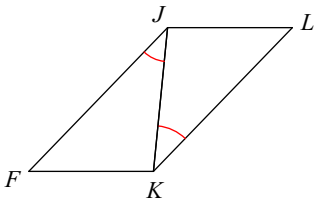
13) AAS



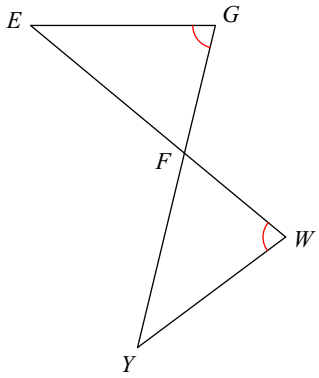
$\angle F \cong \angle Z$

14) AAS



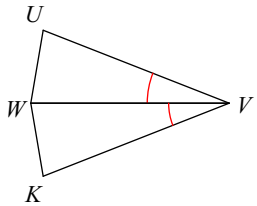
$\angle L \cong \angle F$

15) ASA



$\overline{GF} \cong \overline{WF}$

16) AAS



$\angle U \cong \angle K$

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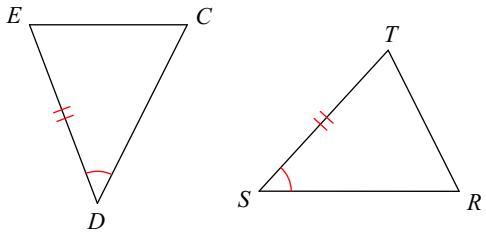
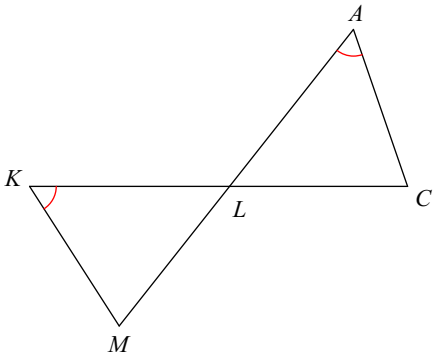
17) AAS



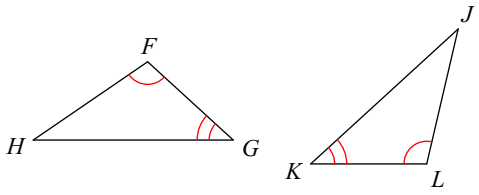
$\angle C \cong \angle R$

18) ASA



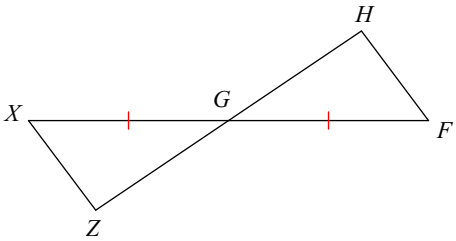
$\overline{KL} \cong \overline{AL}$

19) ASA



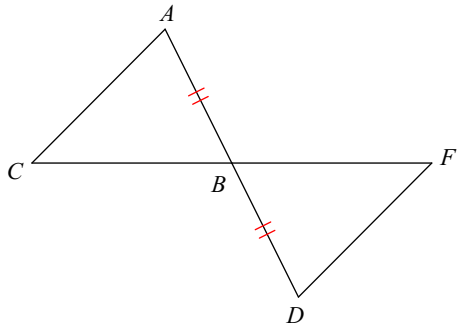
$\overline{FG} \cong \overline{LK}$

20) ASA



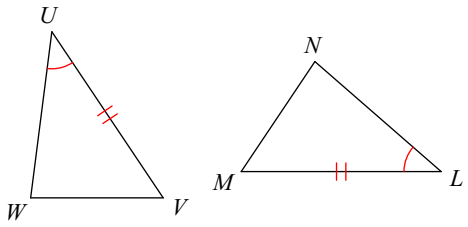
$\angle F \cong \angle X$

21) ASA



$\angle A \cong \angle D$

22) ASA



$\angle V \cong \angle M$

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