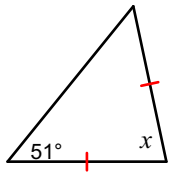


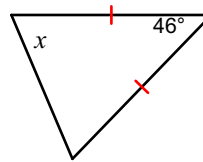
Unit 2 Review

Find the value of x .

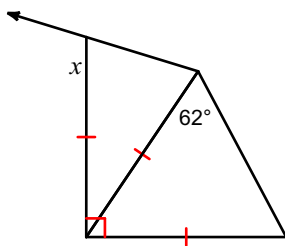
1)



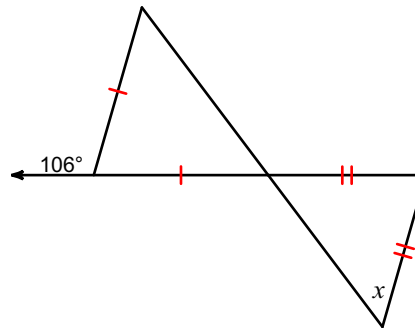
2)



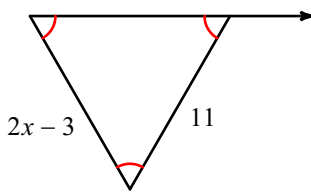
3)



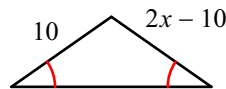
4)



5)

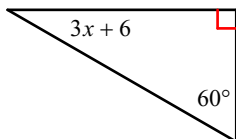


6)

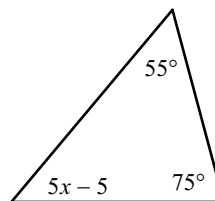


Solve for x .

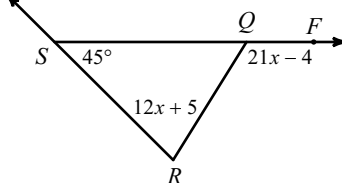
7)



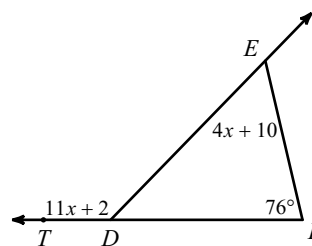
8)



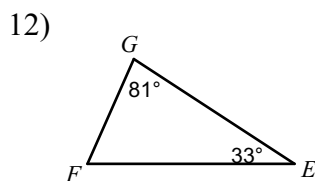
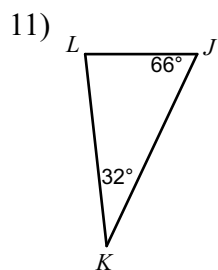
9)



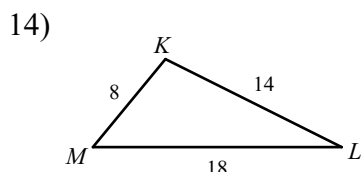
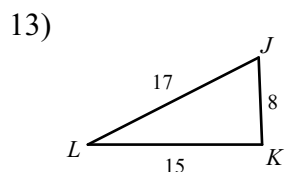
10)



Order the sides of each triangle from shortest to longest.



Order the angles in each triangle from smallest to largest.



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

15) 7, 2, 7

16) 23, 10, 12

Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

17) 9, 11

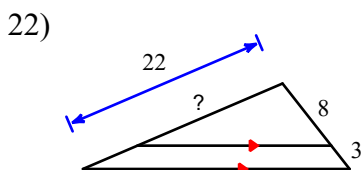
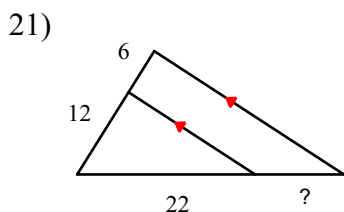
18) 7, 10

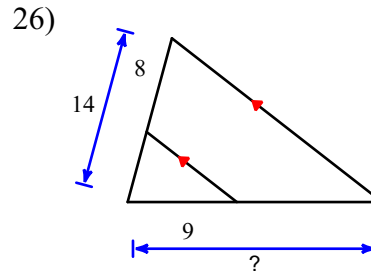
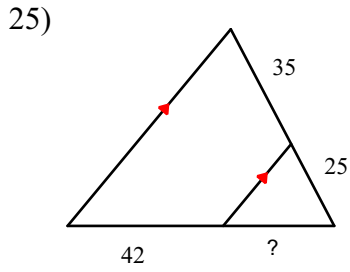
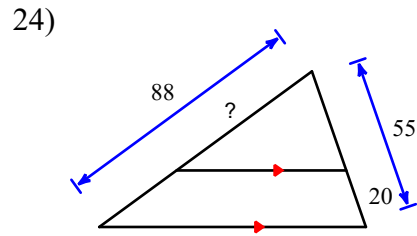
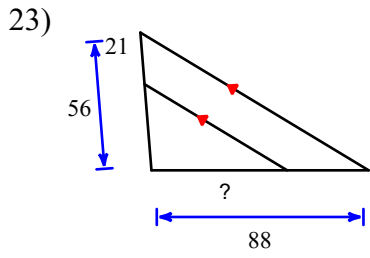
State if the three side lengths form an acute, obtuse, or right triangle.

19) 6 m, 8 m, 10 m

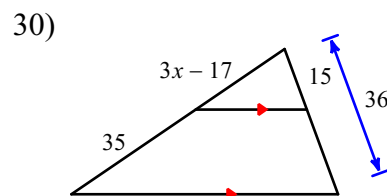
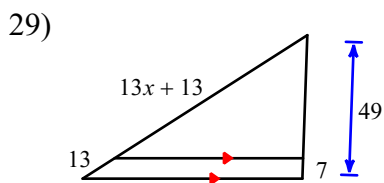
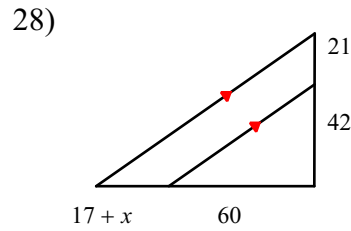
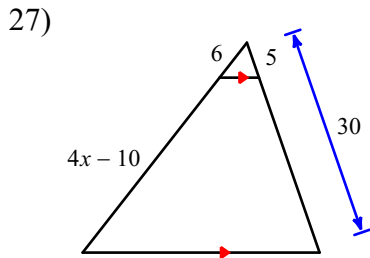
20) 6 ft, 8 ft, 12 ft

Find the missing length indicated.

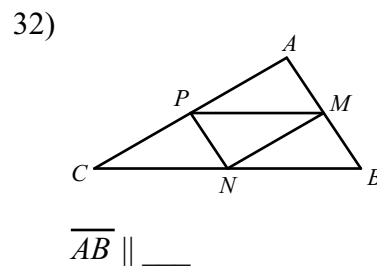
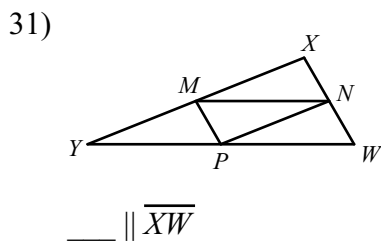




Solve for x .

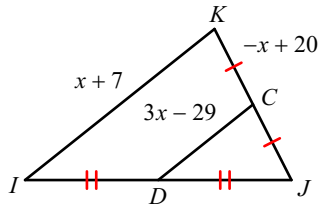


In each triangle, M, N, and P are the midpoints of the sides. Name a segment parallel to the one given.

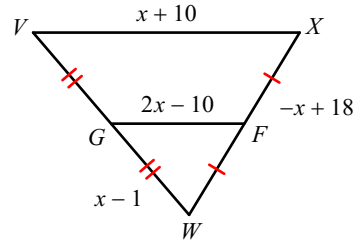


Solve for x .

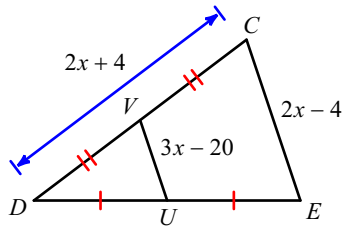
33)



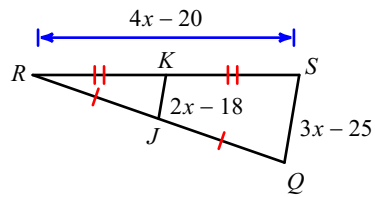
34)



35)

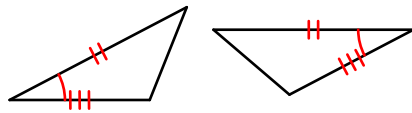


36)

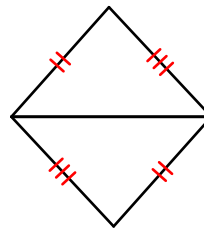


State if the two triangles are congruent. If they are, state how you know.

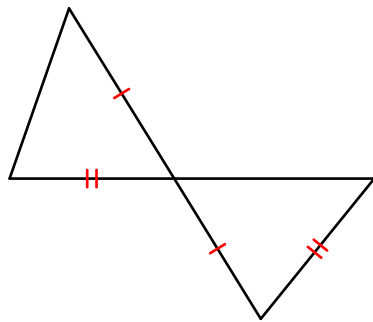
37)



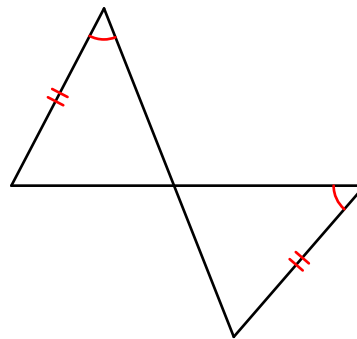
38)



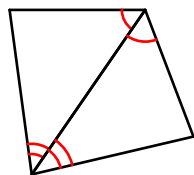
39)



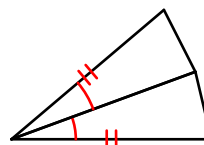
40)



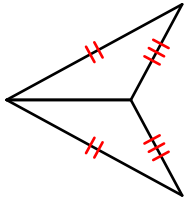
41)



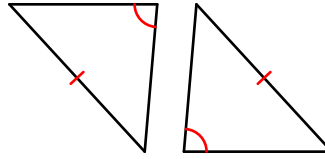
42)



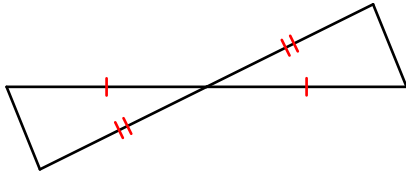
43)



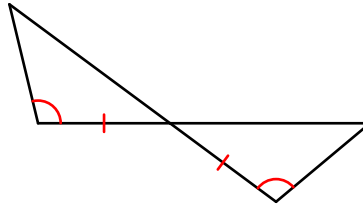
44)



45)

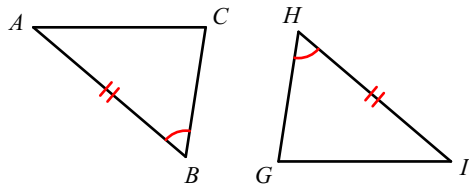


46)

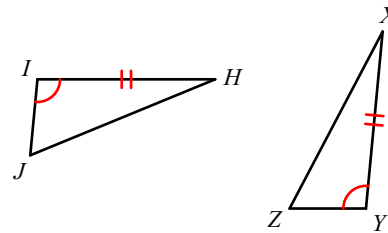


State what additional information is required in order to know that the triangles are congruent for the reason given.

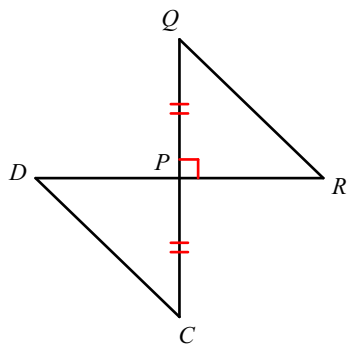
47) AAS



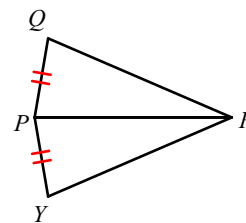
48) SAS



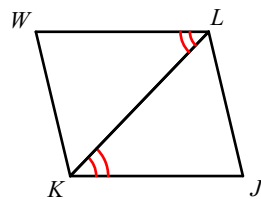
49) HL



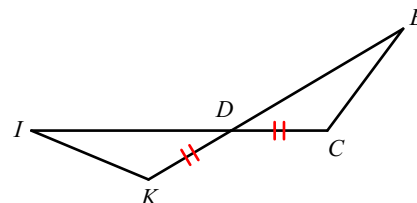
50) SSS



51) AAS



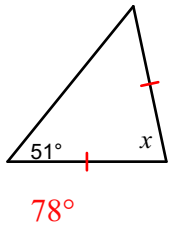
52) ASA



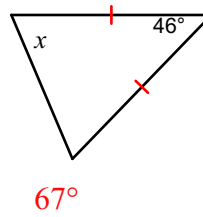
Unit 2 Review

Find the value of x .

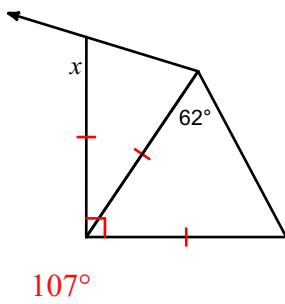
1)



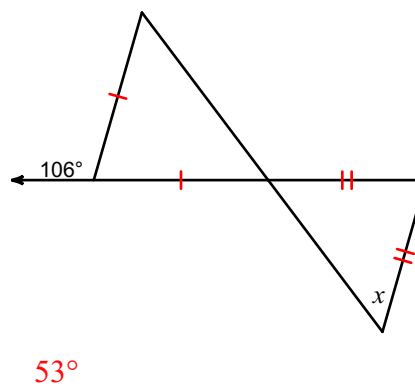
2)



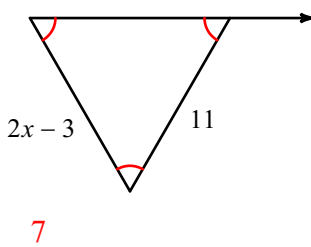
3)



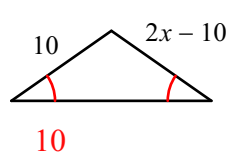
4)



5)

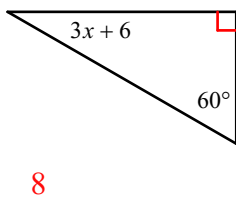


6)

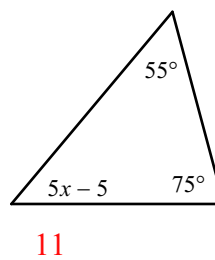


Solve for x .

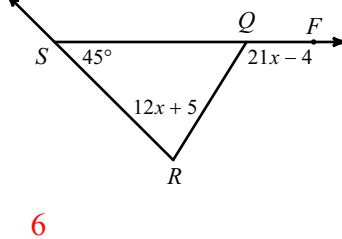
7)



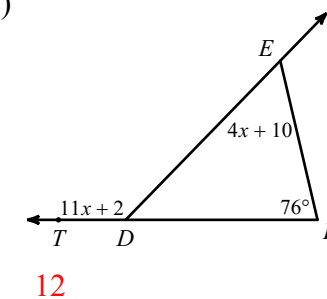
8)



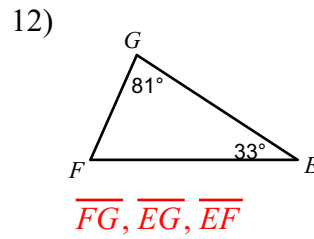
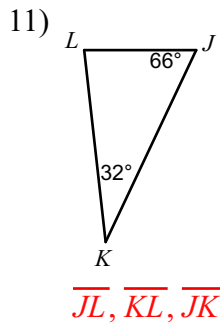
9)



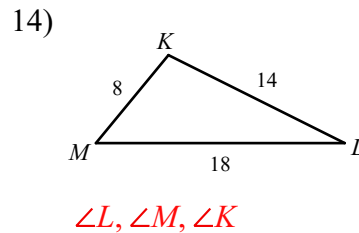
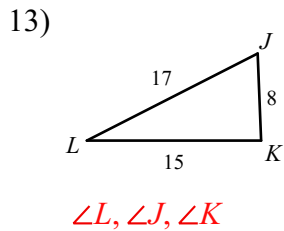
10)



Order the sides of each triangle from shortest to longest.



Order the angles in each triangle from smallest to largest.



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

15) 7, 2, 7
Yes

16) 23, 10, 12
No

Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

17) 9, 11
 $2 < x < 20$

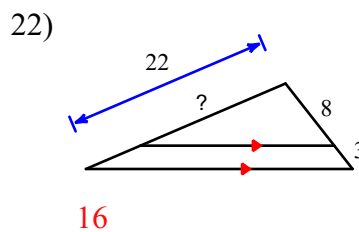
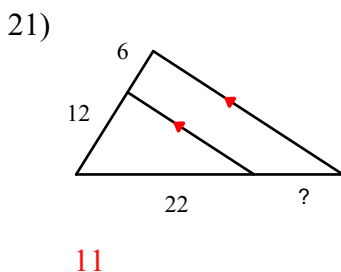
18) 7, 10
 $3 < x < 17$

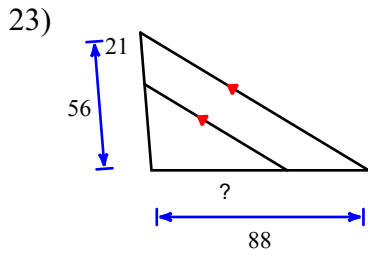
State if the three side lengths form an acute, obtuse, or right triangle.

19) 6 m, 8 m, 10 m
Right

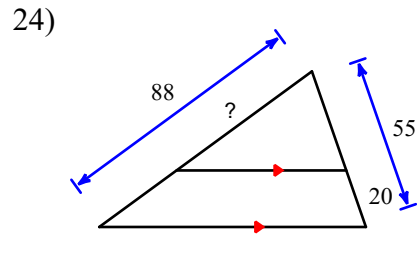
20) 6 ft, 8 ft, 12 ft
Obtuse

Find the missing length indicated.

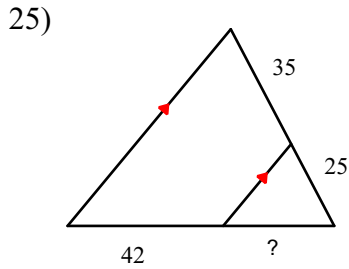




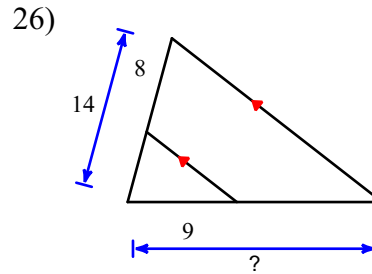
55



56

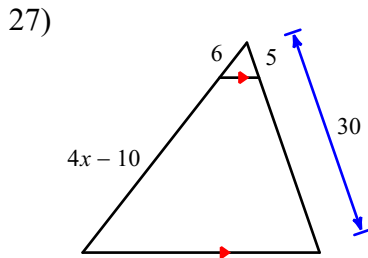


30

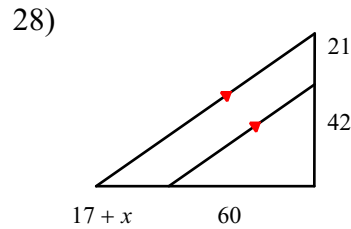


21

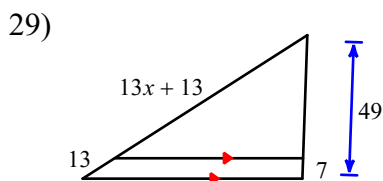
Solve for x .



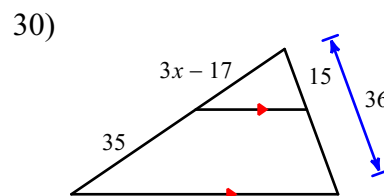
10



13

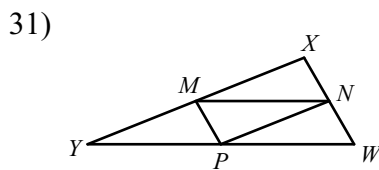


5

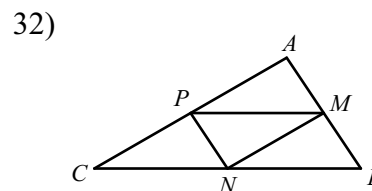


14

In each triangle, M, N, and P are the midpoints of the sides. Name a segment parallel to the one given.



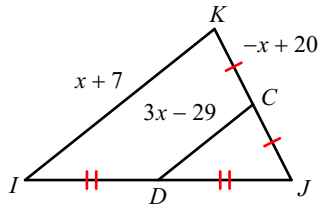
$\underline{\hspace{1cm}} \parallel \overline{XW}$
 \overline{MP}



$\overline{AB} \parallel \underline{\hspace{1cm}}$
 \overline{NP}

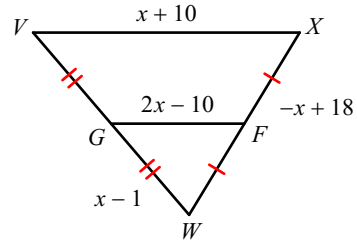
Solve for x .

33)



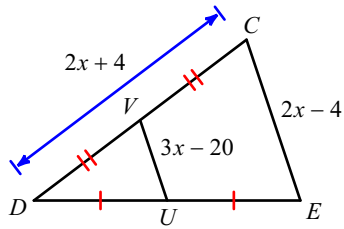
13

34)



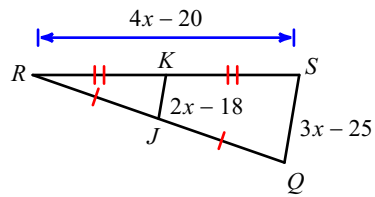
10

35)



9

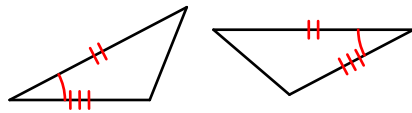
36)



11

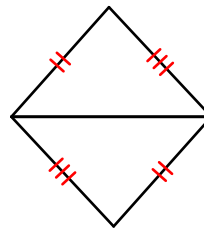
State if the two triangles are congruent. If they are, state how you know.

37)



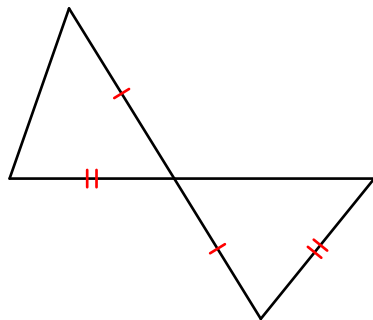
SAS

38)



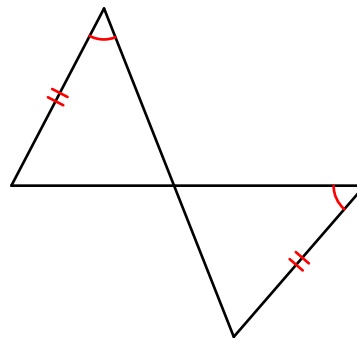
SSS

39)



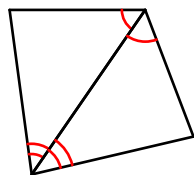
Not congruent

40)



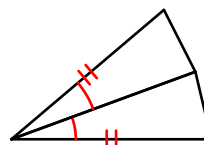
AAS

41)



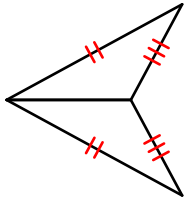
ASA

42)



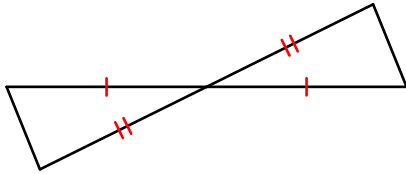
SAS

43)



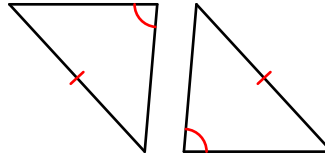
SSS

45)



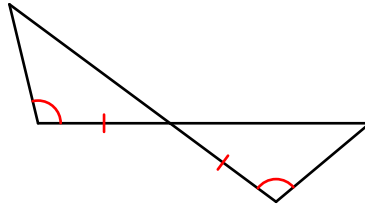
SAS

44)



Not congruent

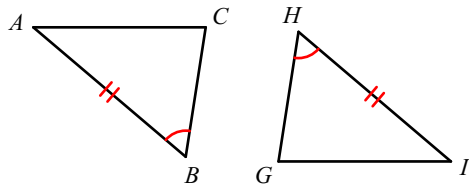
46)



ASA

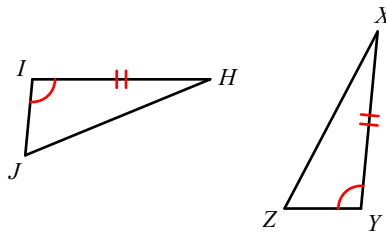
State what additional information is required in order to know that the triangles are congruent for the reason given.

47) AAS



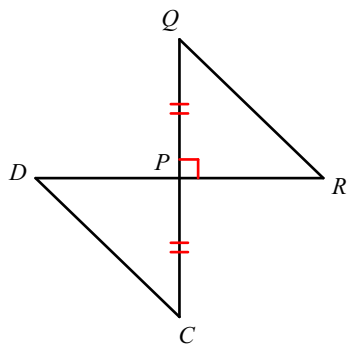
$\angle C \cong \angle G$

48) SAS



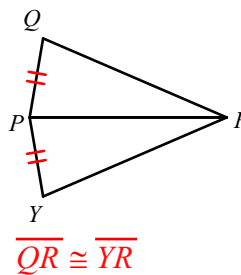
$\overline{IJ} \cong \overline{YZ}$

49) HL



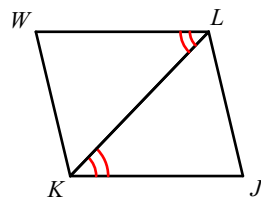
$\overline{QR} \cong \overline{CD}$

50) SSS



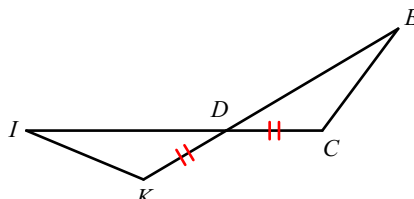
$\overline{QR} \cong \overline{YR}$

51) AAS



$\angle J \cong \angle W$

52) ASA



$\angle C \cong \angle K$