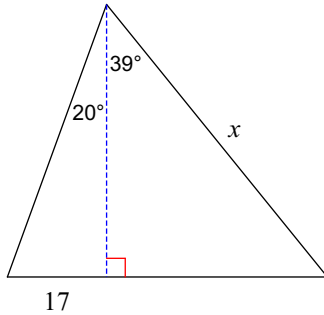
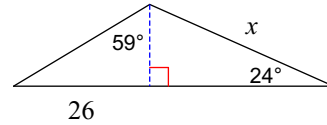


Find the length of the side labeled x . Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

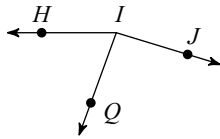
61)



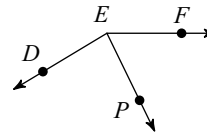
62)



63) $m\angle JIQ = 93x$, $m\angle QIH = 70^\circ$,
and $m\angle JIH = 162x + 1$. Find $m\angle JIH$.

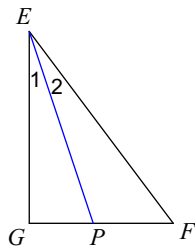


64) $m\angle FEP = x + 68$, $m\angle FED = 149^\circ$,
and $m\angle PED = x + 89$. Find $m\angle PED$.

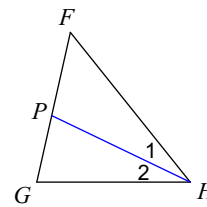


Each figure shows a triangle with one of its angle bisectors.

65) Find $m\angle GEF$ if $m\angle I = 18^\circ$.

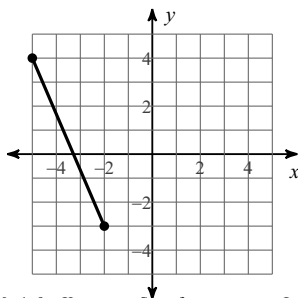


66) Find x if $m\angle I = 2x + 9$ and
 $m\angle FHG = 6x + 2$.



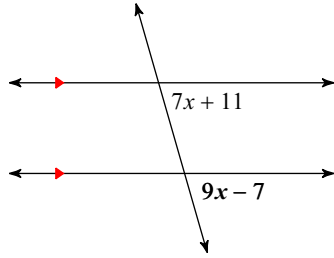
Find the distance between AND the midpoints of each pair of points.

67)

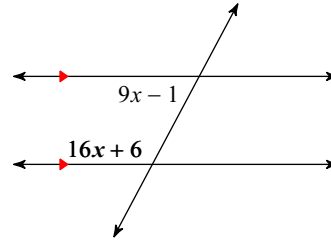


Find the measure of the angle indicated in bold.

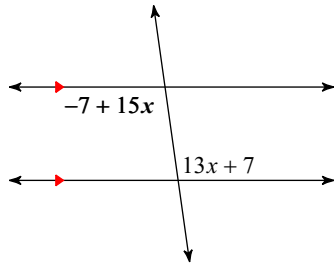
68)



69)

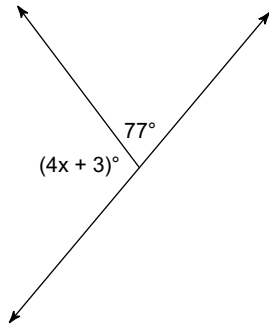


70)

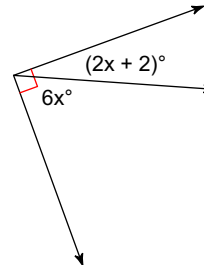


Find the value of x .

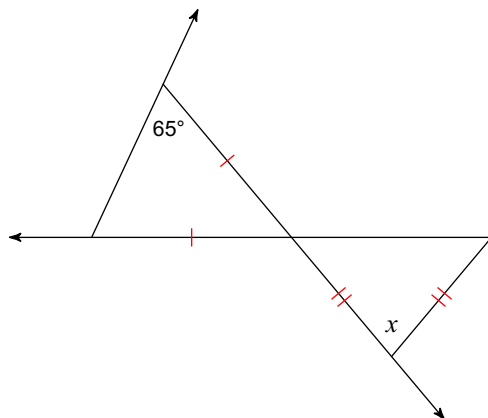
71)



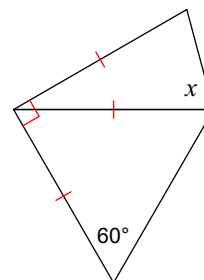
72)



73)

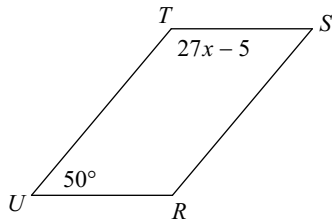


74)

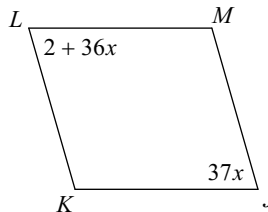


Solve for x . Each figure is a parallelogram.

75)

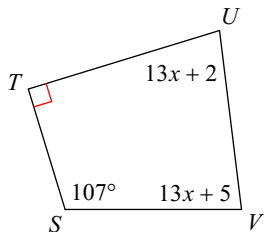


76)

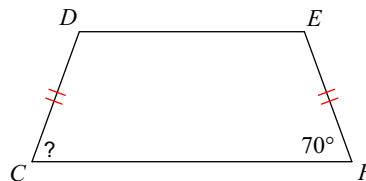


Find the measure of each angle indicated.

77) $m\angle U$

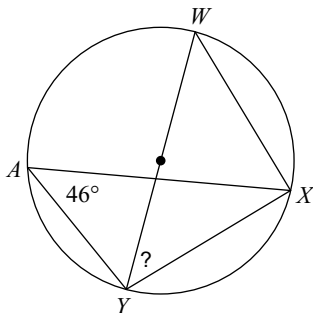


78)

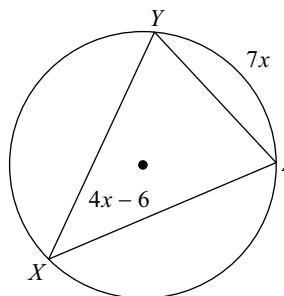


Find the measure of the arc or angle indicated.

79)

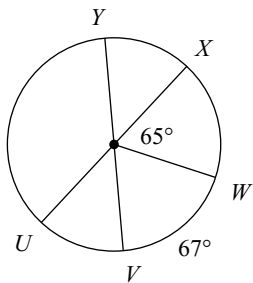


80) Find $m\widehat{YZ}$

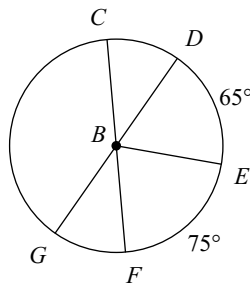


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

81) $m\widehat{UXV}$

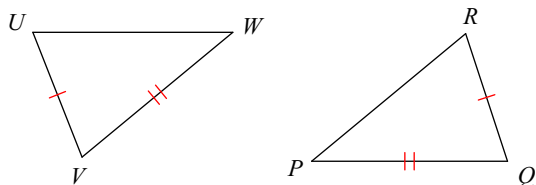


82) $m\angle FBG$

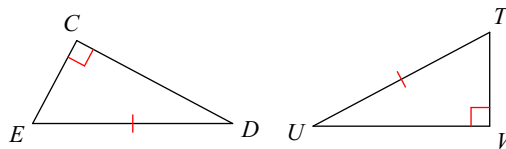


State what additional information is required in order to know that the triangles are congruent for the reason given.

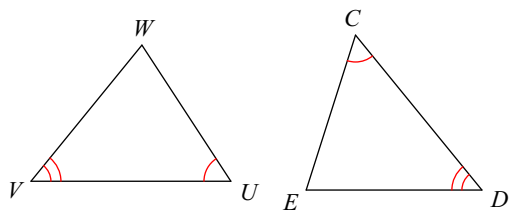
83) SSS



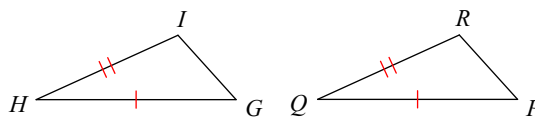
84) AAS



85) ASA

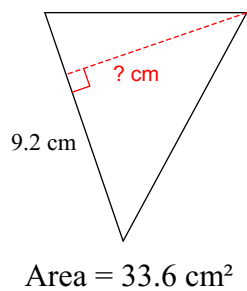


86) SAS

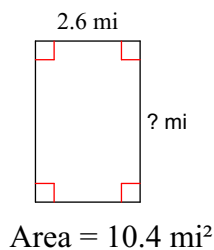


Find the missing measurement. Round your answer to the nearest tenth.

87)

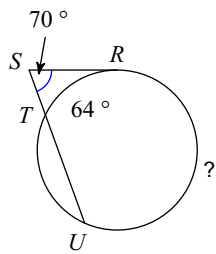


88)

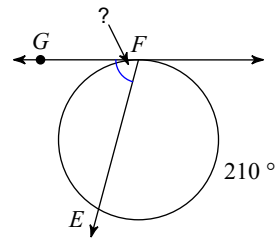


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

89)

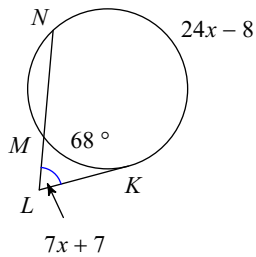


90)

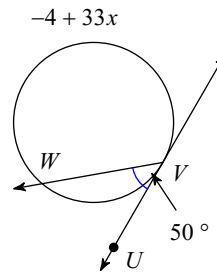


Solve for x . Assume that lines which appear tangent are tangent.

91)

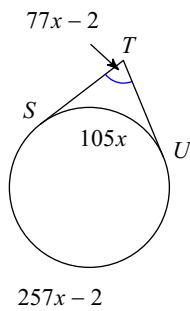


92)



Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

93) Find $m\angle STU$



94) Find $m\widehat{TD}$

