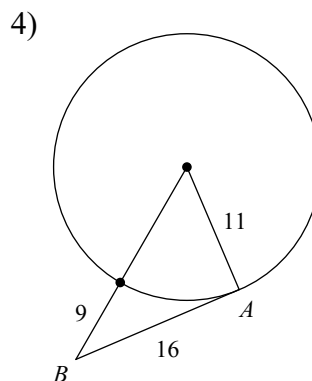
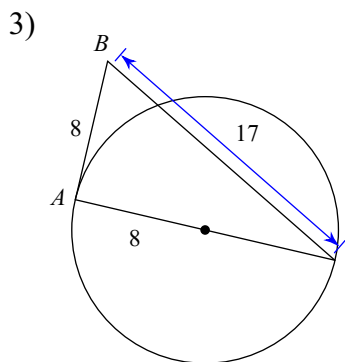
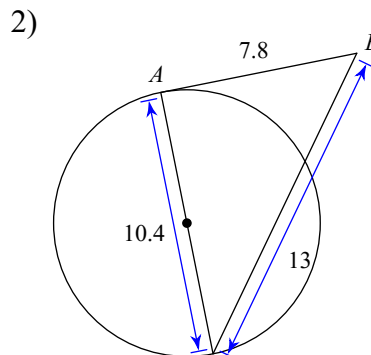
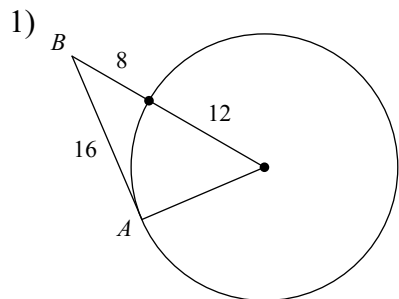
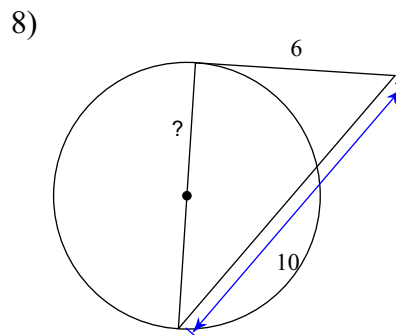
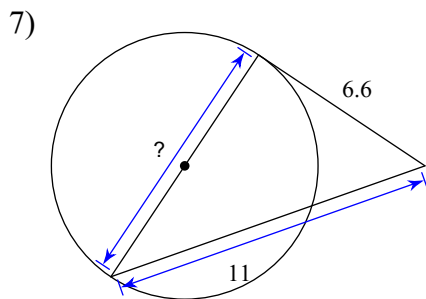
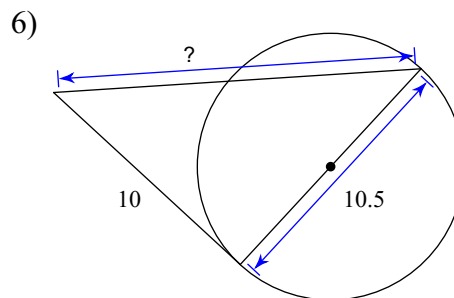
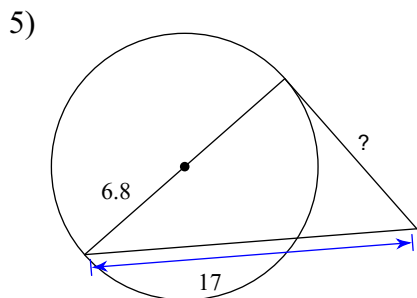


10.1 and 10.2 Worksheet

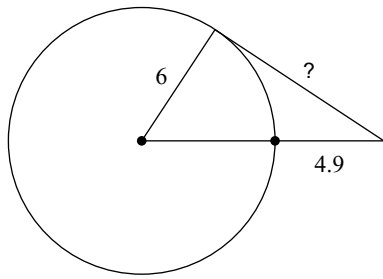
Determine if line AB is tangent to the circle.



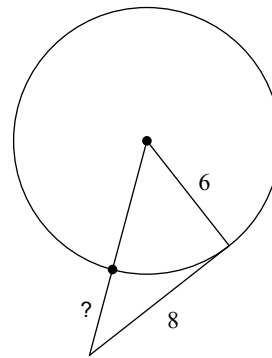
Find the segment length indicated. Assume that lines which appear to be tangent are tangent.



9)

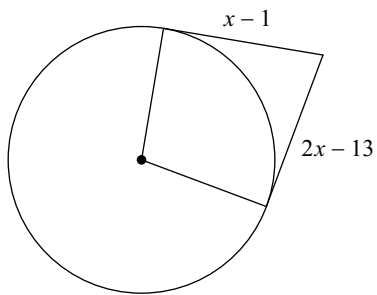


10)

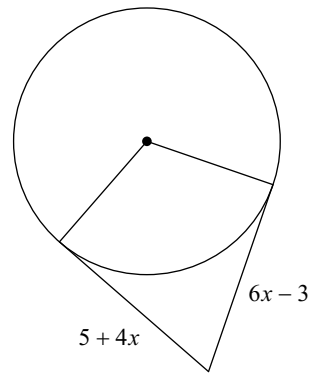


Solve for x . Assume that lines which appear to be tangent are tangent.

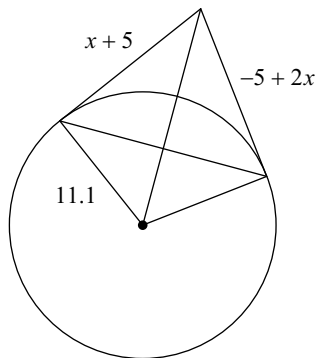
11)



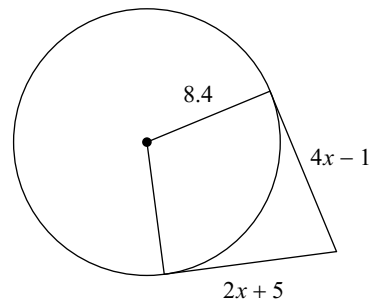
12)



13)

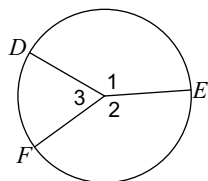


14)

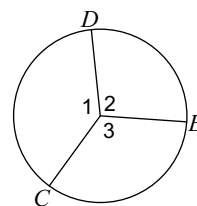


If an angle is given, name the arc it makes. If an arc is given, name its central angle.

15) $\angle 3$

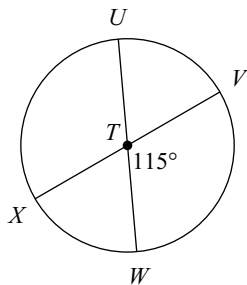


16) \widehat{CD}

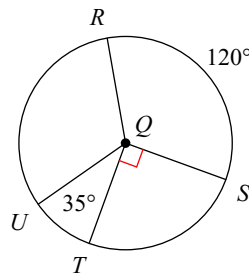


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

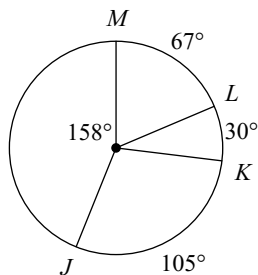
17) $m\angle XTU$



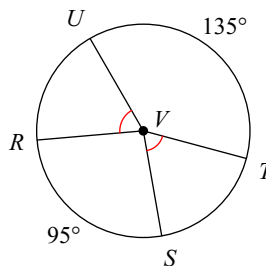
18) $m\angle TQR$



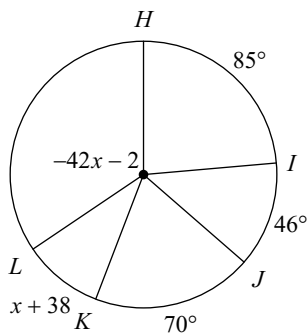
19) $m\widehat{JMK}$



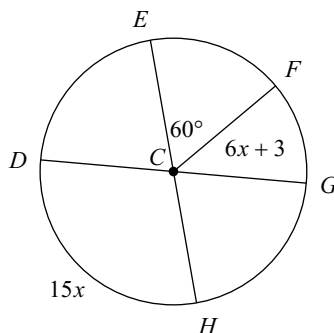
20) $m\angle RVU$



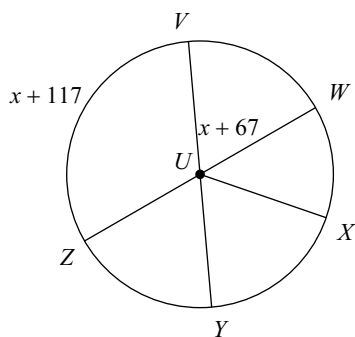
21) $m\widehat{KL}$



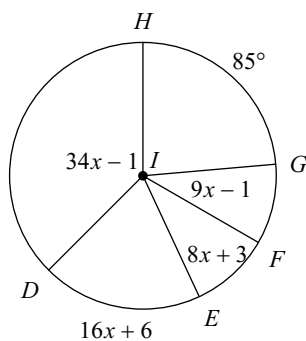
22) $m\angle FCH$



23) $m\angle VUW$

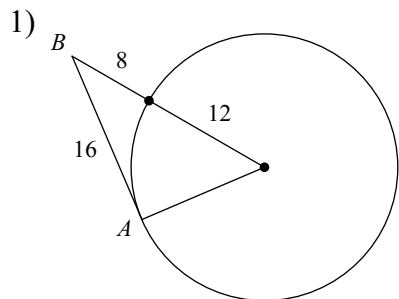


24) $m\angle EID$

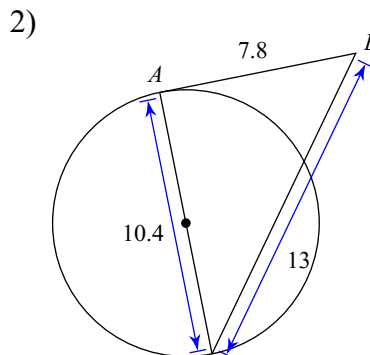


10.1 and 10.2 Worksheet

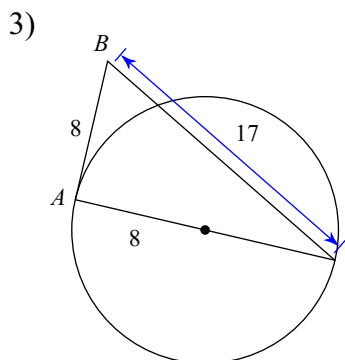
Determine if line AB is tangent to the circle.



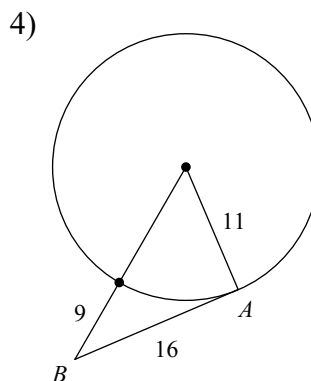
Tangent



Tangent

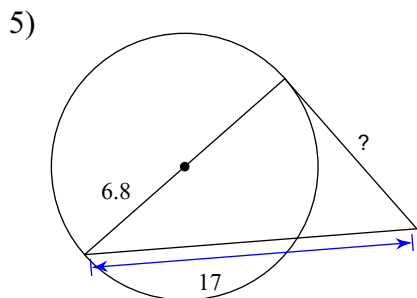


Not tangent

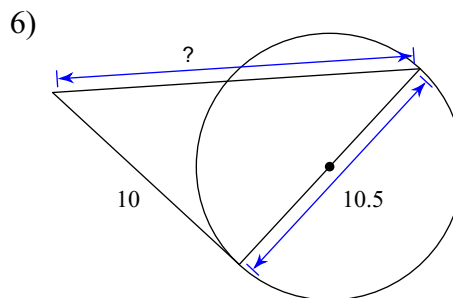


Not tangent

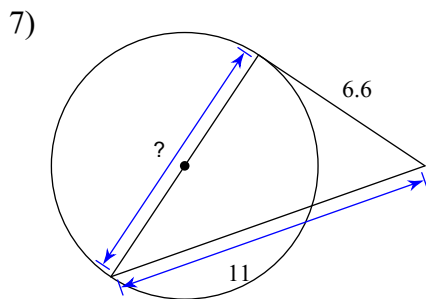
Find the segment length indicated. Assume that lines which appear to be tangent are tangent.



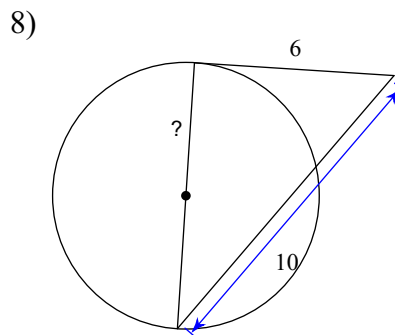
10.2



14.5

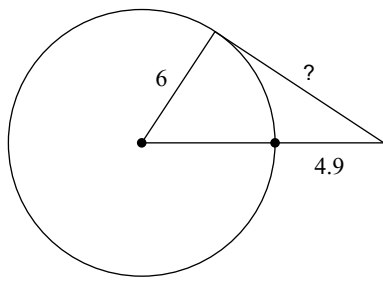


8.8



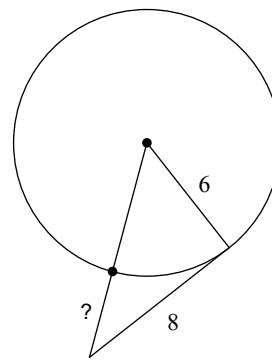
4

9)



9.1

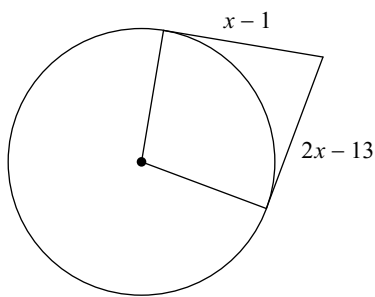
10)



4

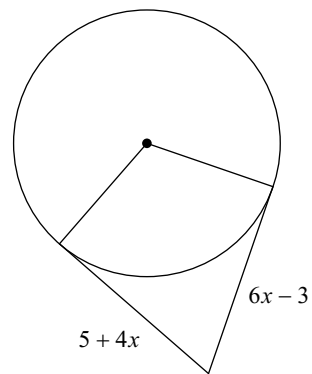
Solve for x . Assume that lines which appear to be tangent are tangent.

11)



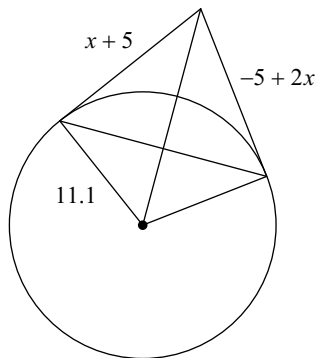
12

12)



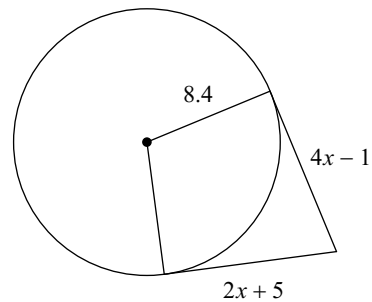
4

13)



10

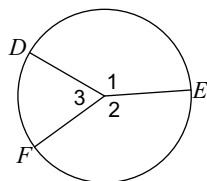
14)



3

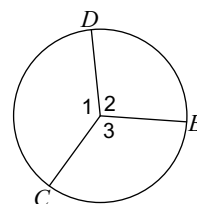
If an angle is given, name the arc it makes. If an arc is given, name its central angle.

15) $\angle 3$



\widehat{DF}

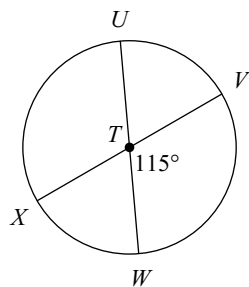
16) \widehat{CD}



$\angle 1$

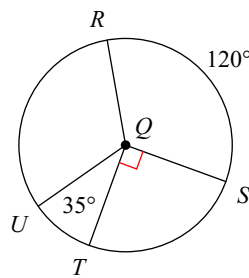
Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

17) $m\angle XTU$



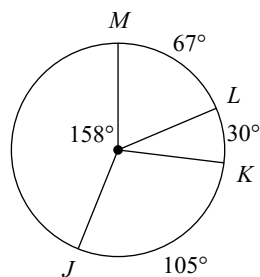
115°

18) $m\angle TQR$



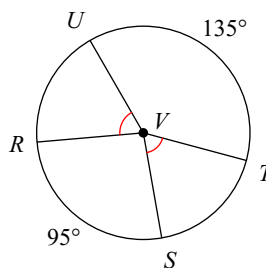
150°

19) $m\widehat{JMK}$



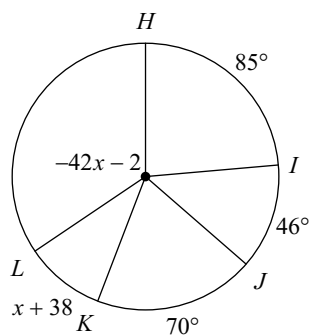
255°

20) $m\angle RVU$



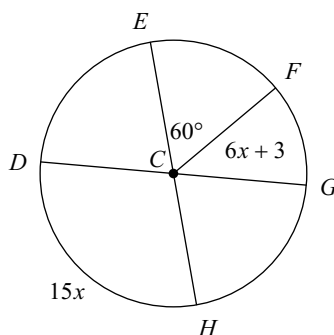
65°

21) $m\widehat{KL}$



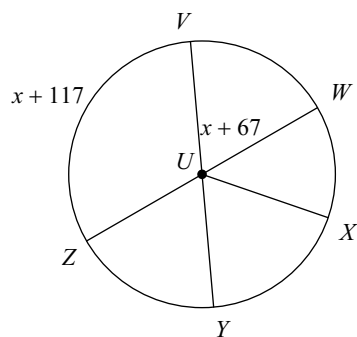
35°

22) $m\angle FCH$



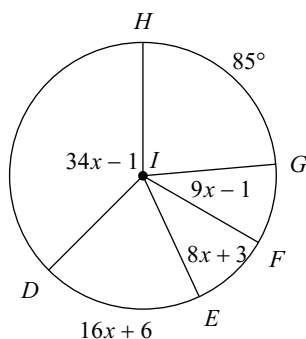
120°

23) $m\angle VUW$



65°

24) $m\angle EID$



70°