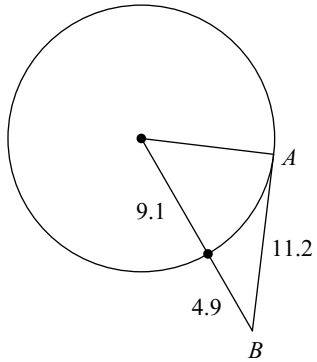


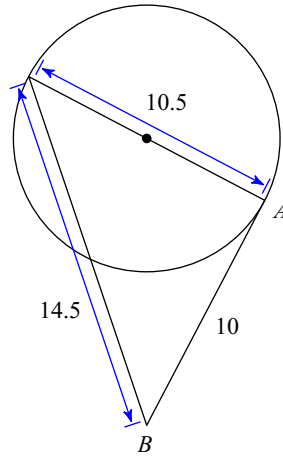
# Unit 4A Midterm Homework

**Determine if line AB is tangent to the circle. SHOW ALL WORK.**

1)

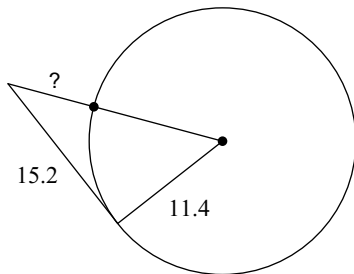


2)

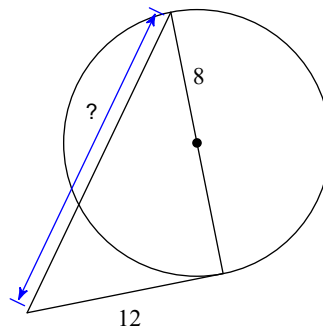


**Find the segment length indicated. Assume that lines which appear to be tangent are tangent.**

3)

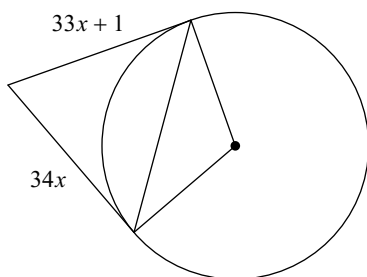


4)

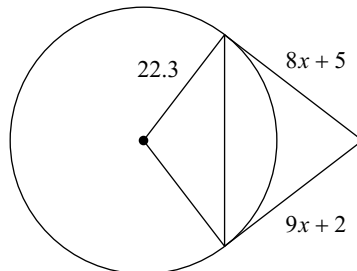


**Solve for x. Assume that lines which appear to be tangent are tangent.**

5)

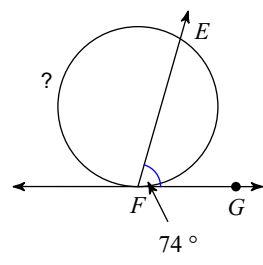


6)

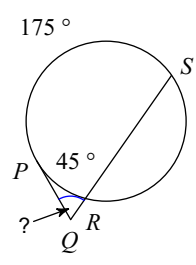


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

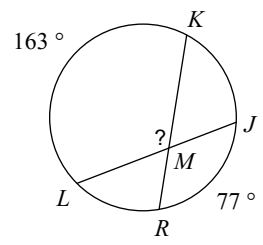
7)



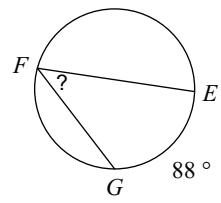
8)



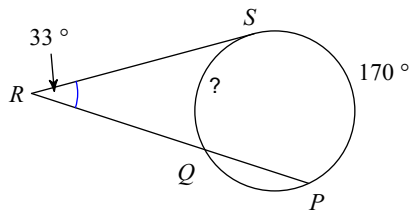
9)



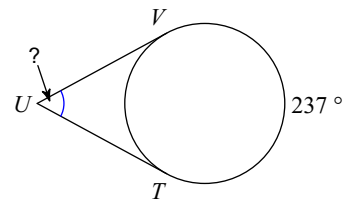
10)



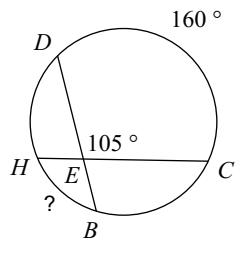
11)



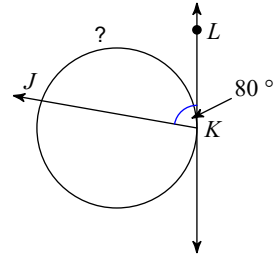
12)



13)

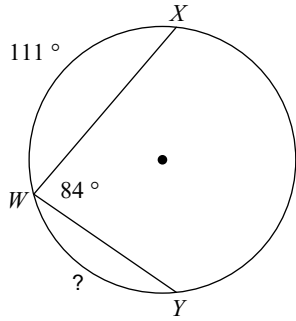


14)

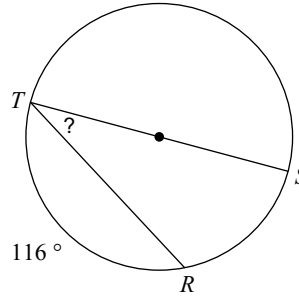


Find the measure of the arc or angle indicated.

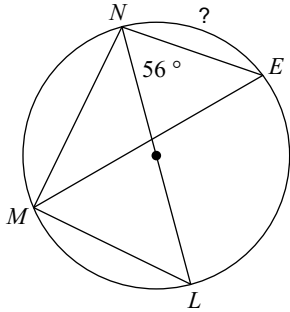
15)



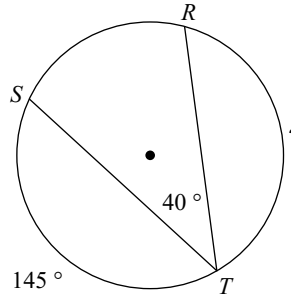
16)



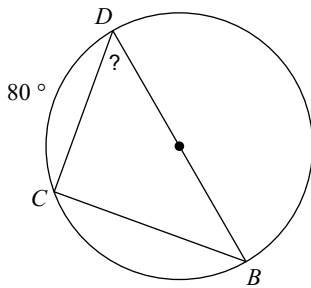
17)



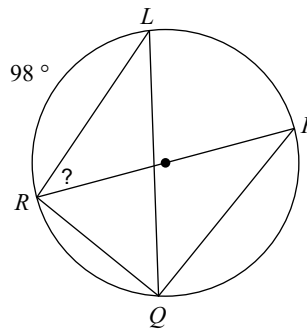
18)



19)

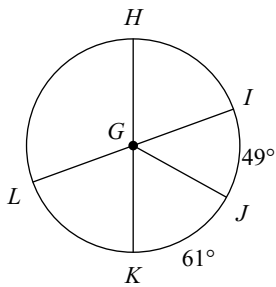


20)

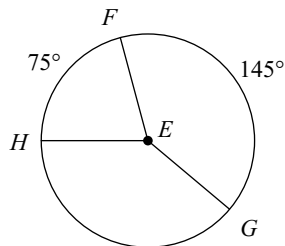


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

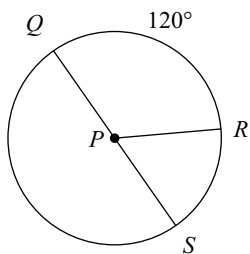
21)  $m\angle JGL$



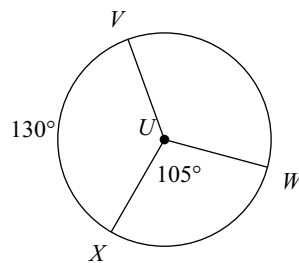
22)  $m\angle GEH$



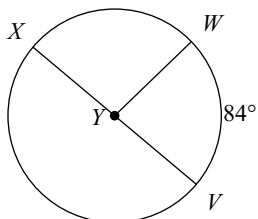
23)  $m\angle RPS$



24)  $m\angle VUW$



25)  $m\angle XYW$



26)  $m\widehat{GFH}$

