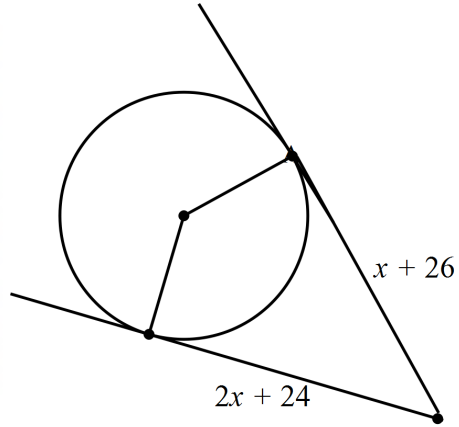


Name: _____ Period: _____

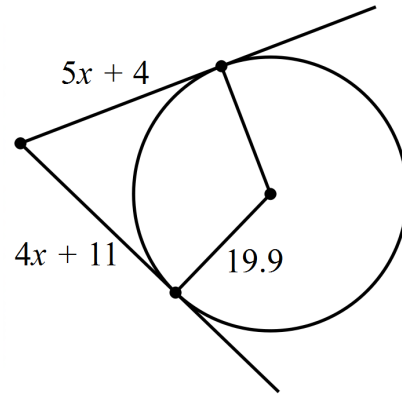
SM2 12.4 More Tangent and Chord Theorems

Solve for x . Assume that segments which appear to be tangent to the circle are tangent to the circle.

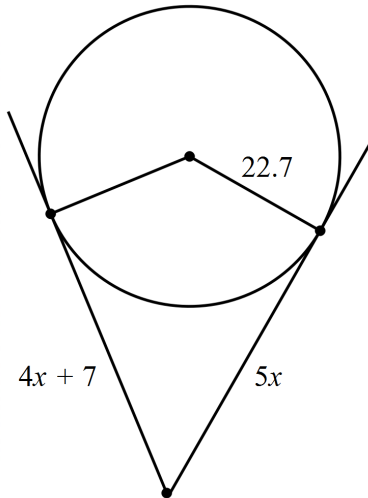
1)



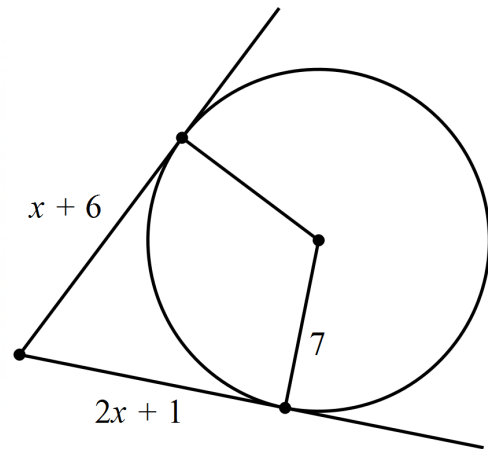
2)



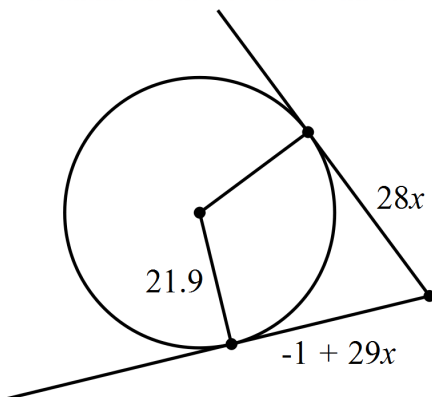
3)



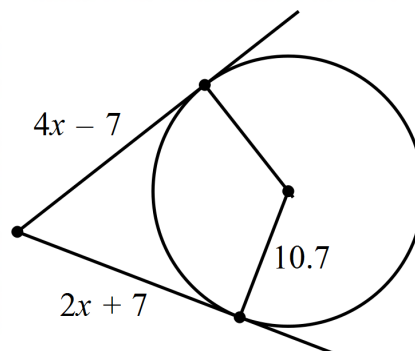
4)



5)

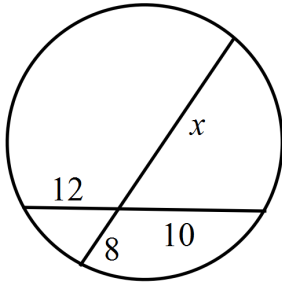


6)

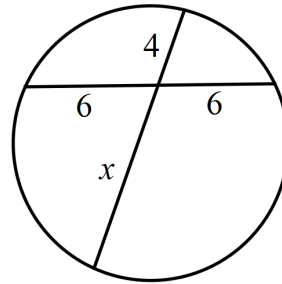


Find the value of x in the following figures.

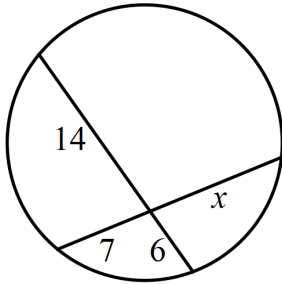
7)



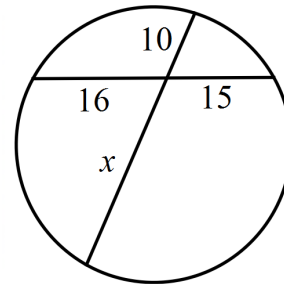
8)



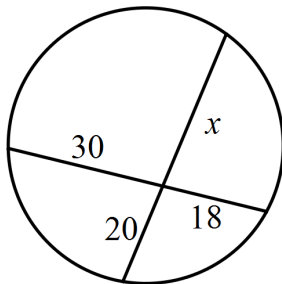
9)



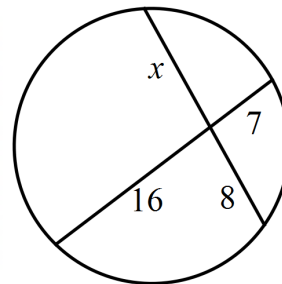
10)



11)



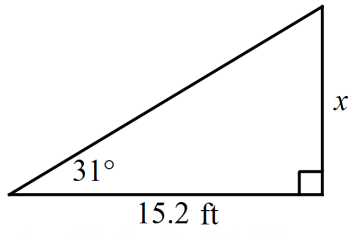
12)



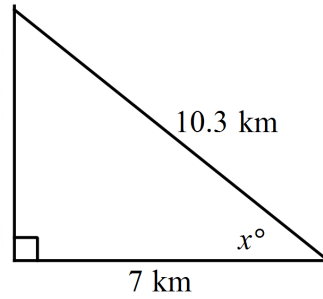
Review from previous sections or units

Use trigonometry (unit 11) to find the value of x .

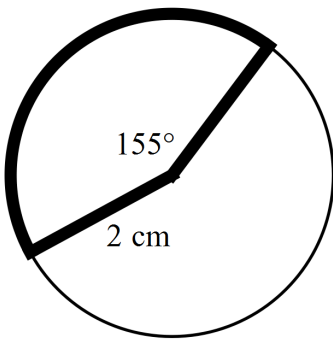
13)



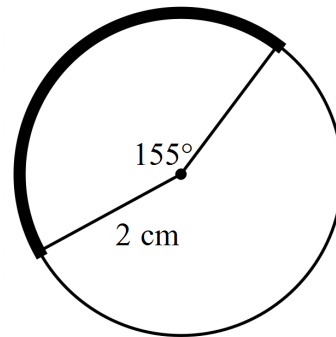
14)



15) Find the **area** of the highlighted sector



16) Find the **arc length** of the highlighted arc



Factor the following

17) $x^2 - 11x + 28$

18) $3x^2 + 20x - 7$