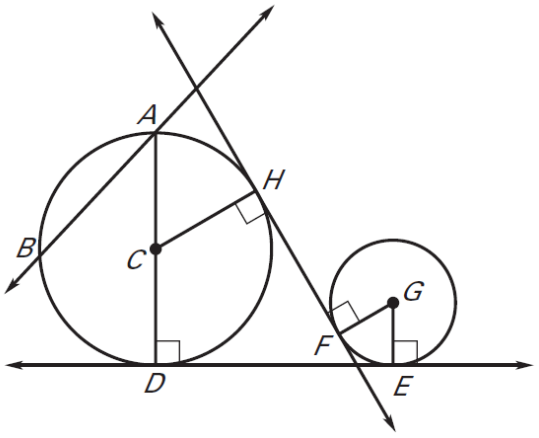
Name: _____ Per: _____ Date: _____
Serafino ▪ Geometry

# Anatomy of Circles & Tangents

**Skills Check / Classwork**

**1. Anatomy of a Circle. For each item named below, name as many figures as exist in the diagram.**




A. Center: _____

B. Chord: _____

C. Diameter: _____

D. Radius: _____

E. Point of tangency: _____

F. Common external tangent: _____

G. Common internal tangent: _____

H. Secant _____

I. A central angle (3 letters) _____

J. An inscribed angle (3 letters) _____

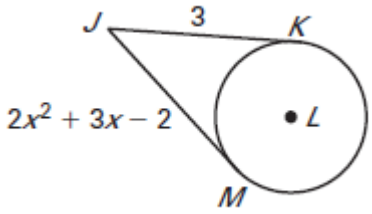
K. Minor arc _____

L. Major arc _____

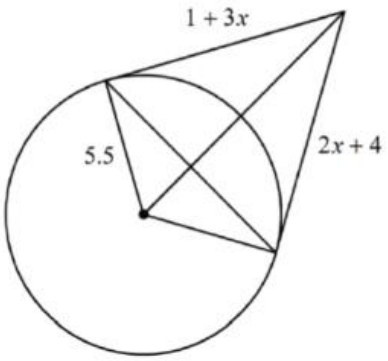
M. Semicircle _____

N. In the existing diagram, draw another circle that is concentric to ⊙ G and tangent to ⊙ C.

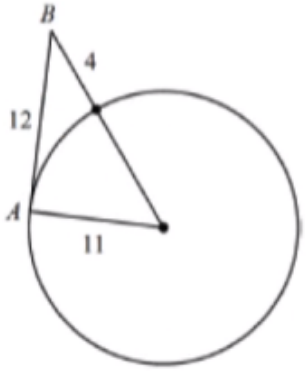
2. JK and JM are tangent to ⊙ L. Solve for x:



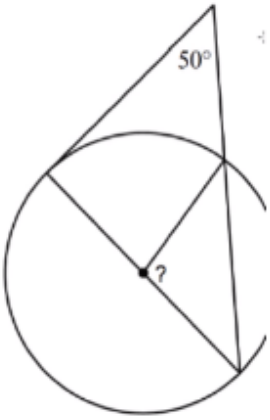
3. What is the perimeter of the kite? _____




4. Is AB tangent to the circle? Show why or why not.




5. Assume the segment is tangent to the circle.
What is the value of the question mark?




6. Why was Ross in the circles video?