11.2 Central and Inscribed Angles
PAP Geometry

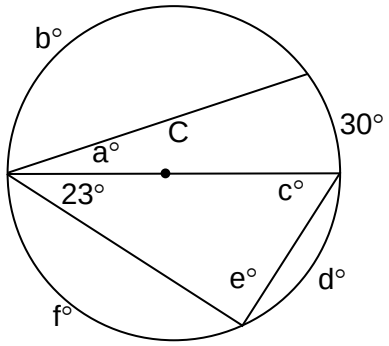
Name _____
Period _____ Date _____

EVALUATE

Directions: All work must be shown to receive full credit. Figures are not drawn to scale.

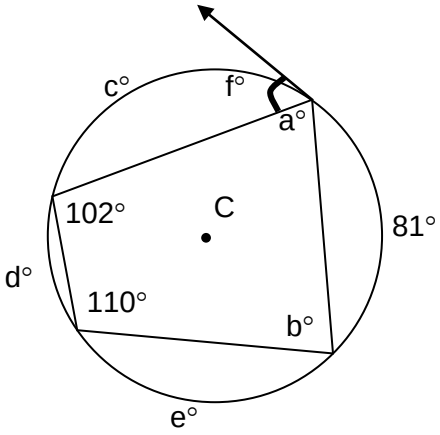
For #1-4, find the value of each variable. C is the center of the circle.

1.



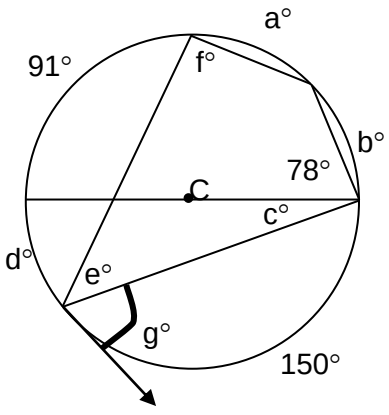
a = _____	d = _____
b = _____	e = _____
c = _____	f = _____

2.



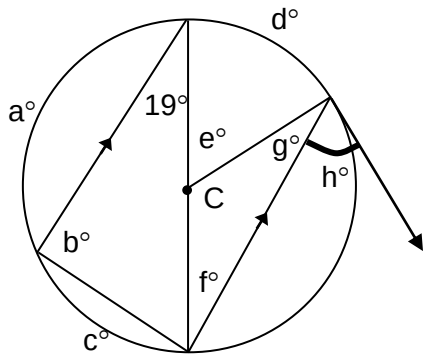
a = _____	d = _____
b = _____	e = _____
c = _____	f = _____

3.



a = _____	e = _____
b = _____	f = _____
c = _____	g = _____
d = _____	

4.



a = _____	e = _____
b = _____	f = _____
c = _____	g = _____
d = _____	h = _____

For #5-6, find each indicated measure for each Circle *O*.

5. _____ a) m∠EOF

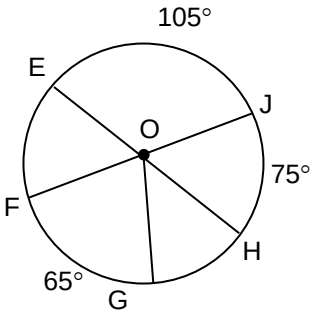
_____ b) m*EJG*

_____ c) m*FH*

_____ d) m∠F*OG*

_____ e) m*JEG*

_____ f) m*HFJ*



6. _____ a) m*TR*

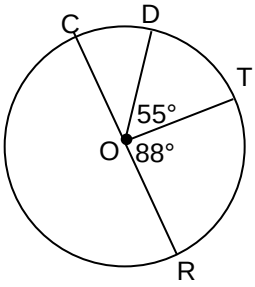
_____ b) m∠*COD*

_____ c) m*CT*

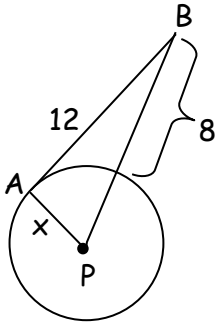
_____ d) m*CDR*

_____ e) m*DR*

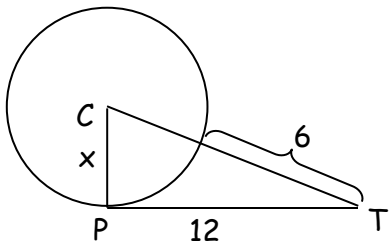
_____ f) m*TRC*



7. Find the radius, x.



8. Find x.



9. The radii of two circles are 3 and 8 and the distance between their centers is 13. Find the length of their external tangent segment.