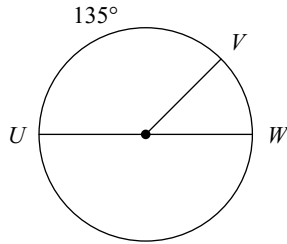
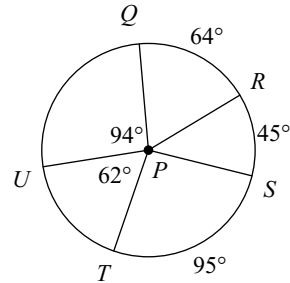


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

1) $m\widehat{VW}$

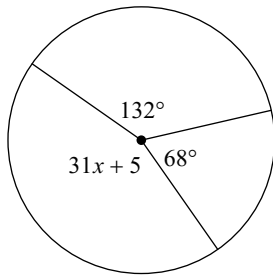


2) $m\angle TPQ$

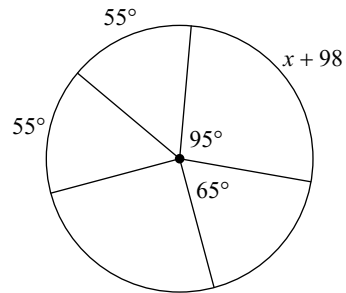


Solve for x . Assume that lines which appear to be diameters are actual diameters.

3)

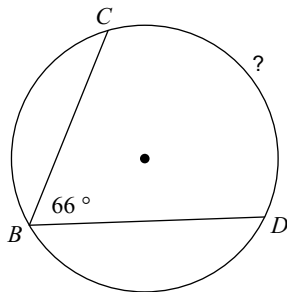


4)

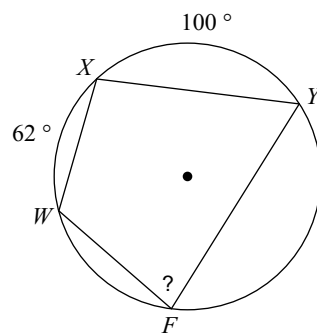


Find the measure of the arc or angle indicated.

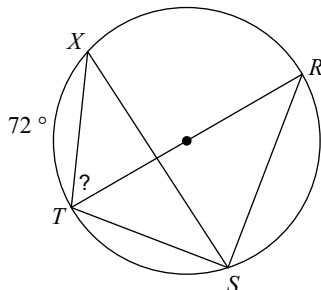
5)



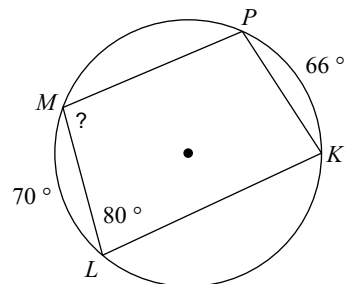
6)



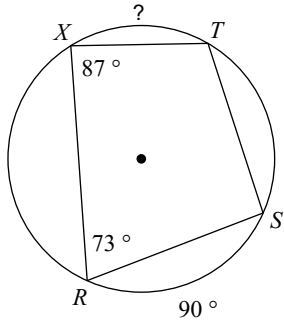
7)



8)

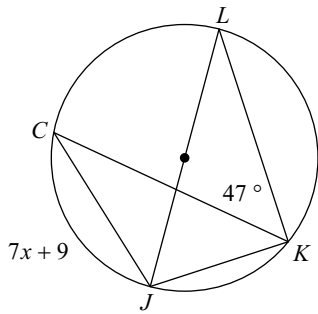


9)



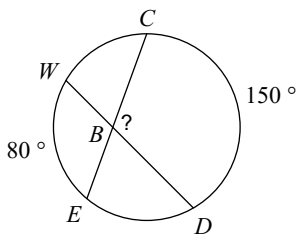
Solve for x .

10)

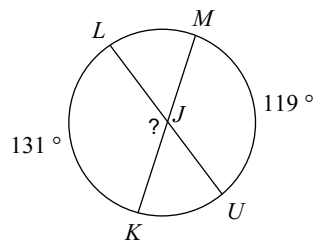


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

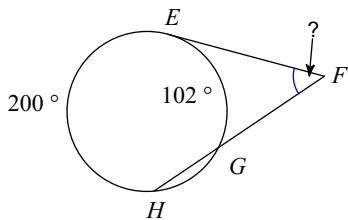
11)



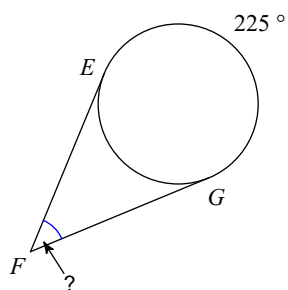
12)



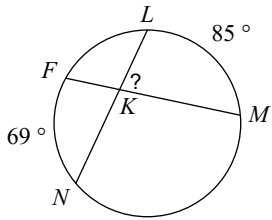
13)



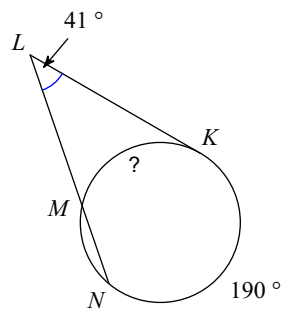
14)



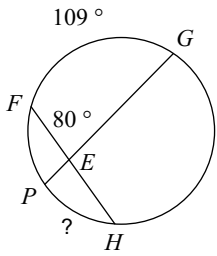
15)



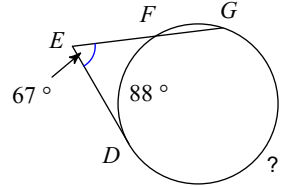
16)



17)

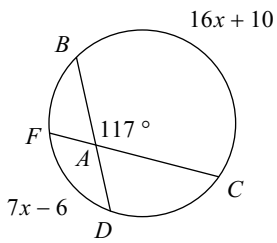


18)

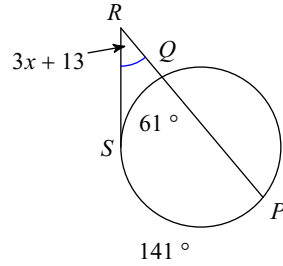


Solve for x . Assume that lines which appear tangent are tangent.

19)



20)



Answers to Central & Inscribed Angles, Vertex Inside & Outside (ID: 1)

1) 45°

2) 156°

3) 5

4) -3

5) 132°

6) 81°

7) 54°

8) 98°

9) 62°

10) 11

11) 115°

12) 125°

13) 49°

14) 45°

15) 77°

16) 108°

17) 51°

18) 222°

19) 10

20) 9