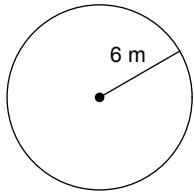


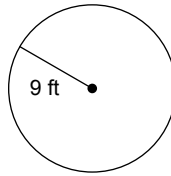
Circumference/Area/Arc Length/Sector Area

Find the circumference of each circle. List each answer A) exact form (remember that is leaving pi in your answer), and B) approximate form (remember that is using 3.14 for pi).

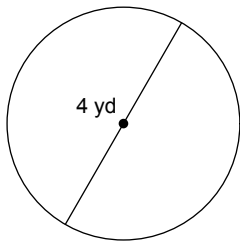
1)



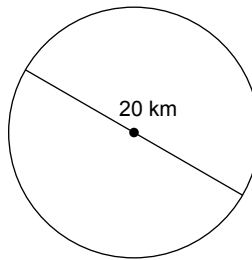
2)



3)

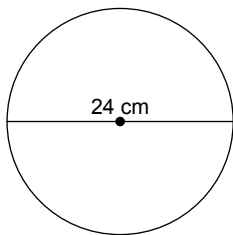


4)

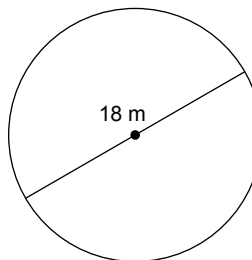


Find the area of each. List your answer A) exact form, and B) approximate form.

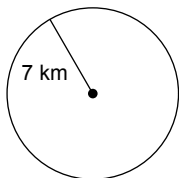
5)



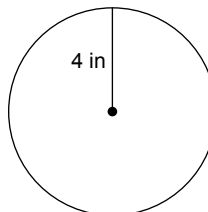
6)



7)

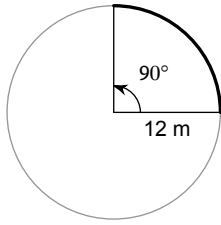


8)

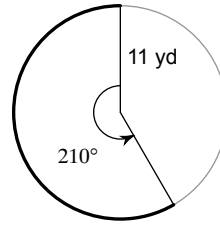


Find the length of each arc. List your answer A) exact form, and B) approximate form.

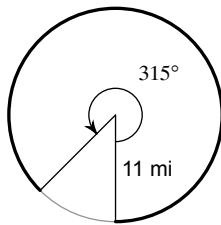
9)



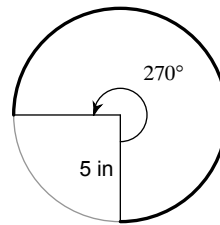
10)



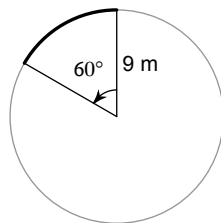
11)



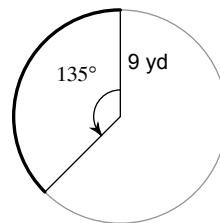
12)



13)

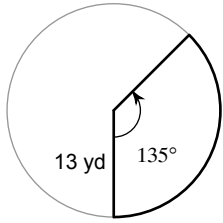


14)

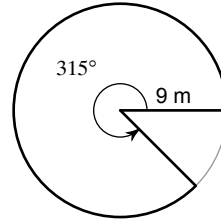


Find the area of each sector. List your answer A) exact form, and B) approximate form.

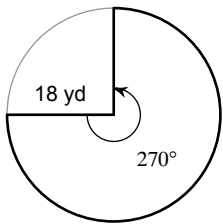
15)



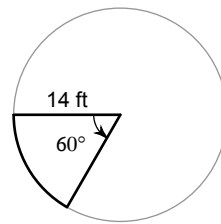
16)



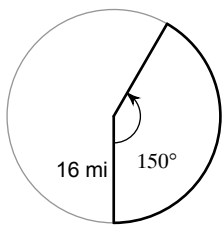
17)



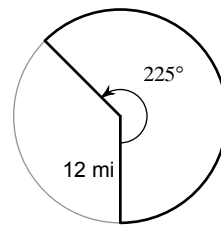
18)



19)

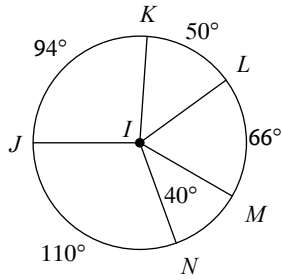


20)

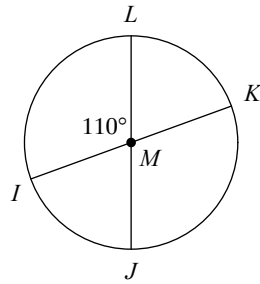


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

21)  $m\angle KIM$

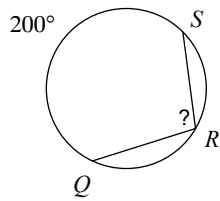


22)  $m\angle JMI$

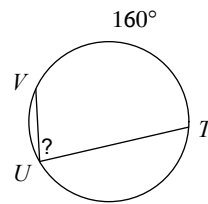


Find the measure of the arc or inscribed angle indicated.

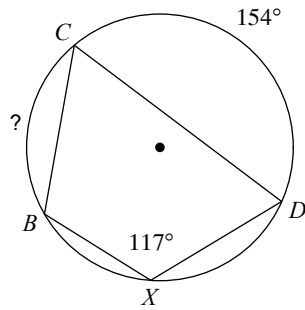
23)



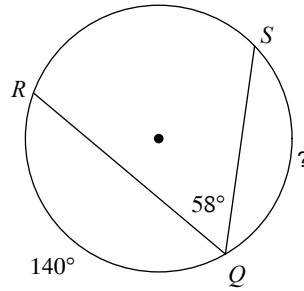
24)



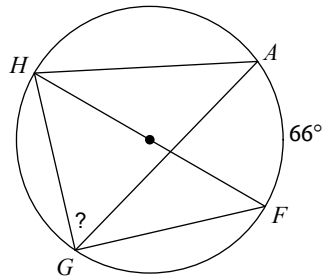
25)



26)



27)



28)

