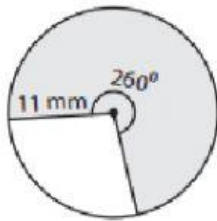


Application_Grade-7_Perimeter and Area

Problems on Area and Circumference of a Circle

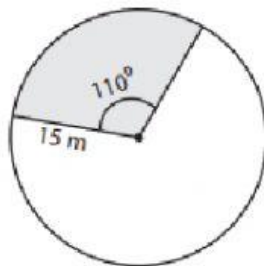
Find the area of each shaded region. Round your answer to two decimal places. (Use $\pi = 3.14$)

1)



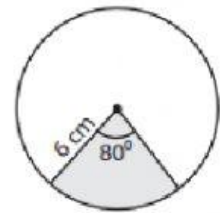
Area = _____

2)



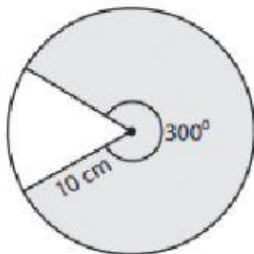
Area = _____

3)



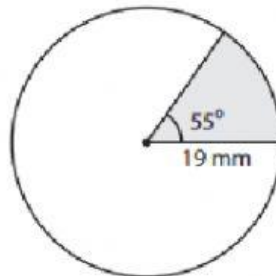
Area = _____

4)



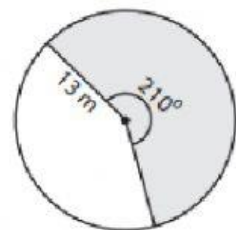
Area = _____

5)



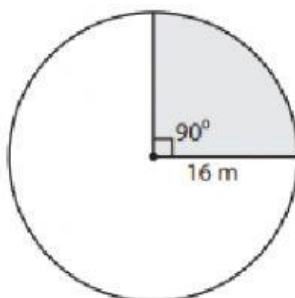
Area = _____

6)



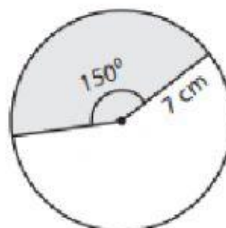
Area = _____

7)



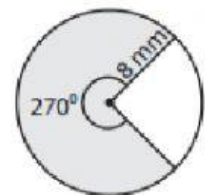
Area = _____

8)



Area = _____

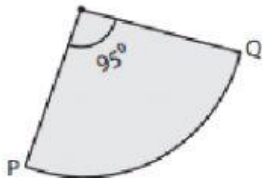
9)



Area = _____

Find the area of each shaded region. Round your answer to two decimal places. (Use $\pi = 3.14$)

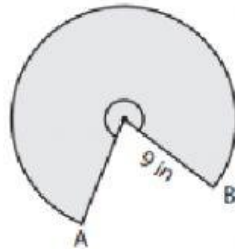
1)



Length of the arc PQ = 26.52 yd

Area = _____

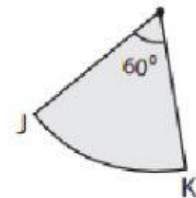
2)



Length of the arc AB = 44.75 in

Area = _____

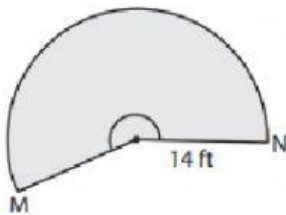
3)



Length of the arc JK = 4.19 ft

Area = _____

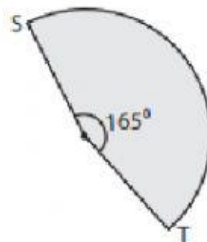
4)



Length of the arc MN = 50.07 ft

Area = _____

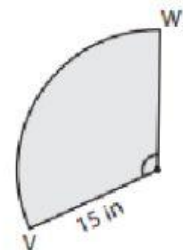
5)



Length of the arc ST = 20.15 yd

Area = _____

6)



Length of the arc VW = 30.09 in

Area = _____