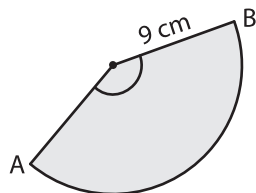


## Finding Area of the Sector from Arc Length

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

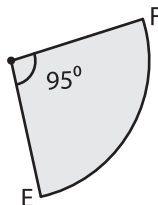
1)



Length of the arc AB = 23.55 cm

Area = \_\_\_\_\_

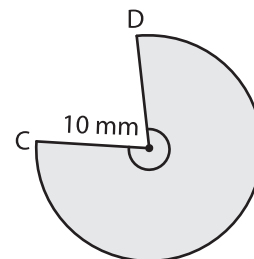
2)



Length of the arc EF = 31.49 m

Area = \_\_\_\_\_

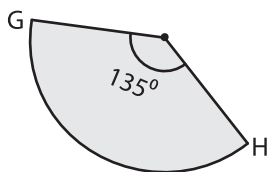
3)



Length of the arc CD = 48.84 mm

Area = \_\_\_\_\_

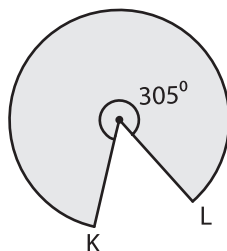
4)



Length of the arc GH = 30.62 mm

Area = \_\_\_\_\_

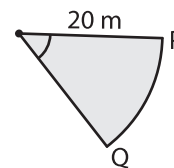
5)



Length of the arc KL = 42.56 cm

Area = \_\_\_\_\_

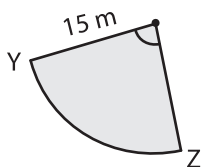
6)



Length of the arc PQ = 17.44 m

Area = \_\_\_\_\_

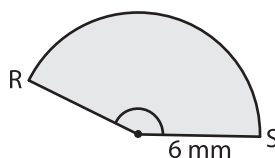
7)



Length of the arc YZ = 22.24 m

Area = \_\_\_\_\_

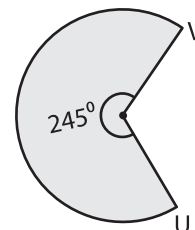
8)



Length of the arc RS = 16.22 mm

Area = \_\_\_\_\_

9)



Length of the arc UV = 17.1 cm

Area = \_\_\_\_\_