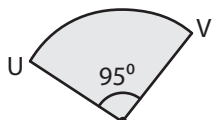


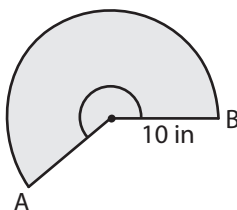
Finding the Arc Length from the Area of the Sector

Find the arc length of each sector. Round your answer to two decimal places.
(Use $\pi = 3.14$)

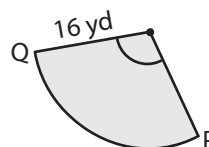
1) Area = 53.03 ft^2



2) Area = 191.89 in^2



3) Area = 234.45 yd^2

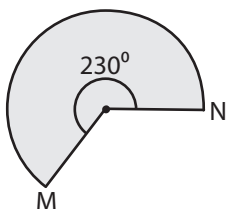


Length of the arc UV = _____

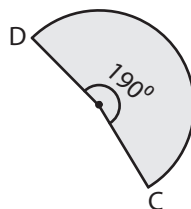
Length of the arc AB = _____

Length of the arc PQ = _____

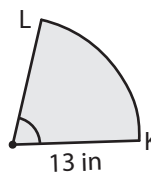
4) Area = 162.5 yd^2



5) Area = 26.52 ft^2



6) Area = 110.55 in^2

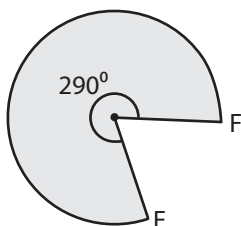


Length of the arc MN = _____

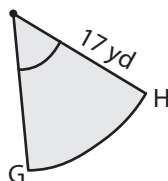
Length of the arc CD = _____

Length of the arc KL = _____

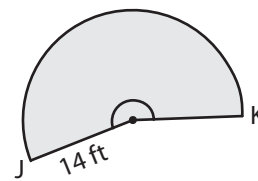
7) Area = 569.13 in^2



8) Area = 138.64 yd^2



9) Area = 341.91 ft^2



Length of the arc EF = _____

Length of the arc GH = _____

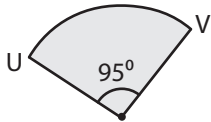
Length of the arc JK = _____

Finding the Arc Length from the Area of the Sector Answer Key

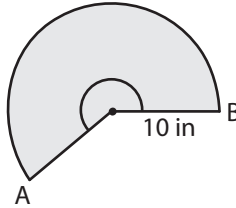
Find the arc length of each sector. Round your answer to two decimal places.

(Use $\pi = 3.14$)

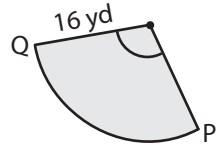
1) Area = 53.03 ft^2



2) Area = 191.89 in^2



3) Area = 234.45 yd^2

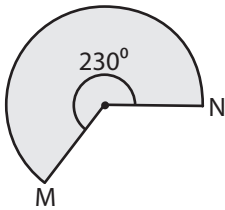


Length of the arc UV = **13.26 ft**

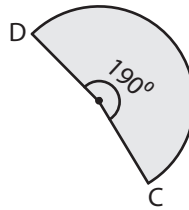
Length of the arc AB = **38.38 in**

Length of the arc PQ = **29.31 yd**

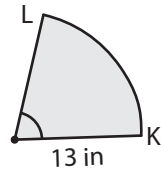
4) Area = 162.5 yd^2



5) Area = 26.52 ft^2



6) Area = 110.55 in^2

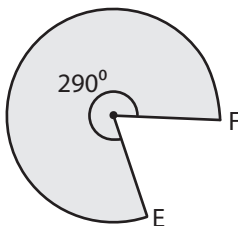


Length of the arc MN = **36.11 yd**

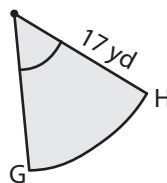
Length of the arc CD = **13.26 ft**

Length of the arc KL = **17 in**

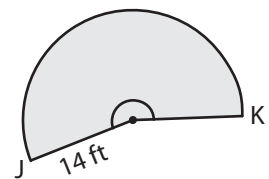
7) Area = 569.13 in^2



8) Area = 138.64 yd^2



9) Area = 341.91 ft^2



Length of the arc EF = **75.88 in**

Length of the arc GH = **16.31 yd**

Length of the arc JK = **48.84 ft**