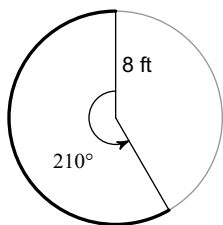


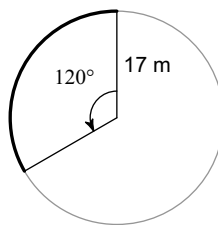
Arc Length and Sector Area

Find the length of each arc.

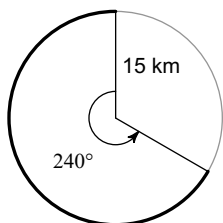
1)



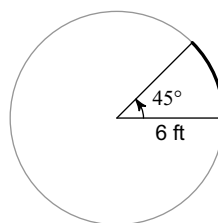
2)



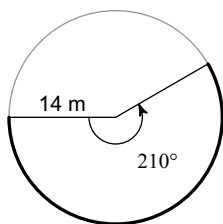
3)



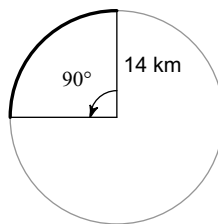
4)



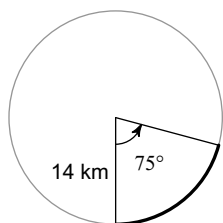
5)



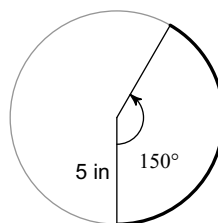
6)



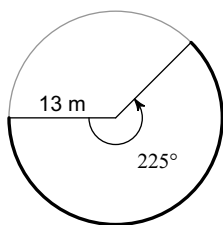
7)



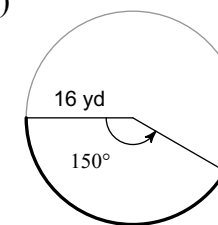
8)



9)

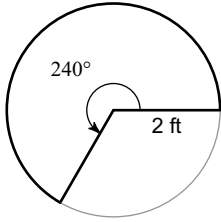


10)

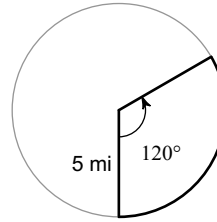


Find the area of each sector.

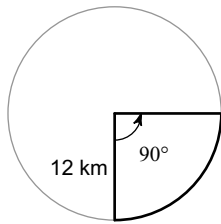
11)



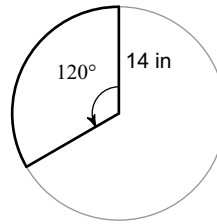
12)



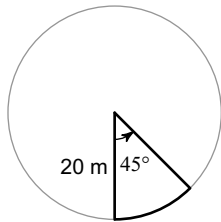
13)



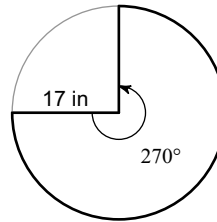
14)



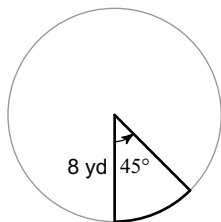
15)



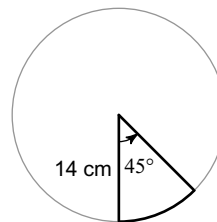
16)



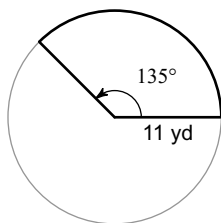
17)



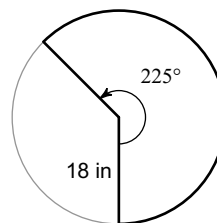
18)



19)



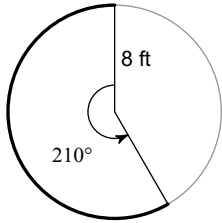
20)



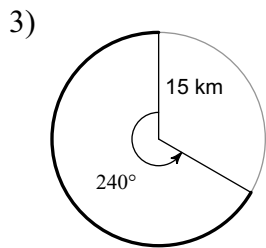
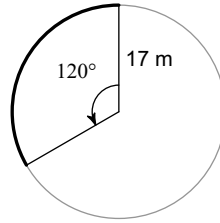
Arc Length and Sector Area

Find the length of each arc.

1) $\frac{28\pi}{3}$ ft

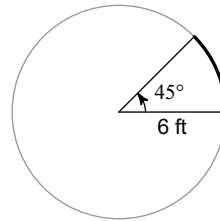


2) $\frac{34\pi}{3}$ m

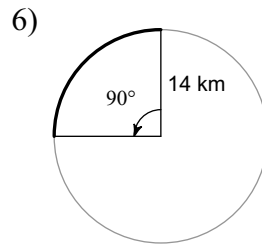
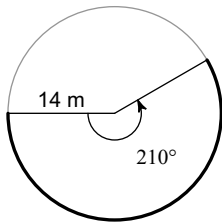


20π km

4) $\frac{3\pi}{2}$ ft

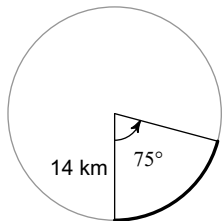


5) $\frac{49\pi}{3}$ m

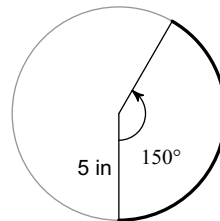


7π km

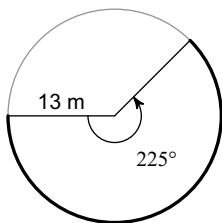
7) $\frac{35\pi}{6}$ km



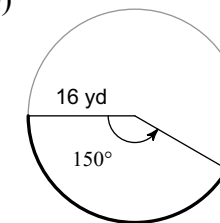
8) $\frac{25\pi}{6}$ in



9) $\frac{65\pi}{4}$ m

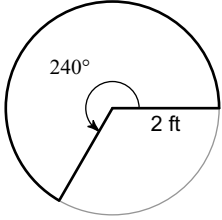


10) $\frac{40\pi}{3}$ yd

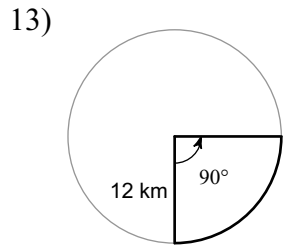
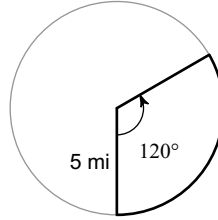


Find the area of each sector.

11) $\frac{8\pi}{3} \text{ ft}^2$

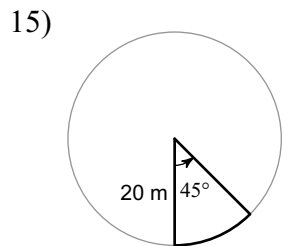
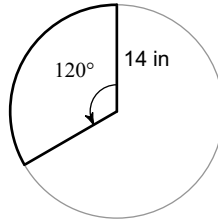


12) $\frac{25\pi}{3} \text{ mi}^2$



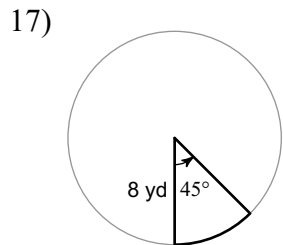
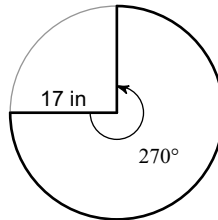
$36\pi \text{ km}^2$

14) $\frac{196\pi}{3} \text{ in}^2$



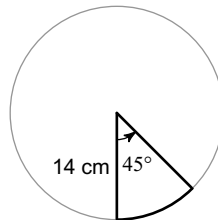
$50\pi \text{ m}^2$

16) $\frac{867\pi}{4} \text{ in}^2$

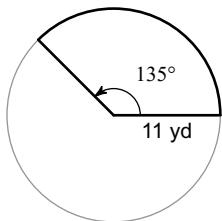


$8\pi \text{ yd}^2$

18) $\frac{49\pi}{2} \text{ cm}^2$



19) $\frac{363\pi}{8} \text{ yd}^2$



20) $\frac{405\pi}{2} \text{ in}^2$

