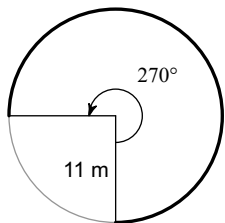


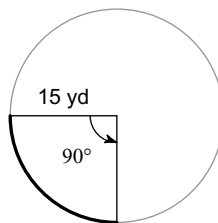
Assignment

Find the length of each arc.

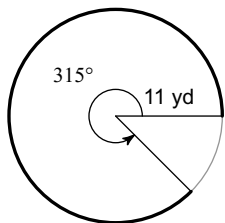
1)



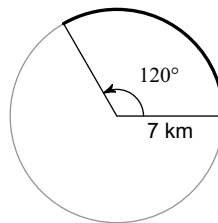
2)



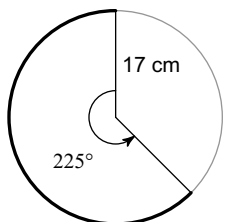
3)



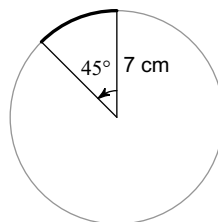
4)



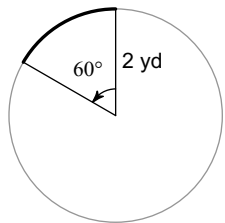
5)



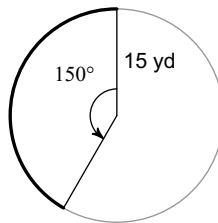
6)



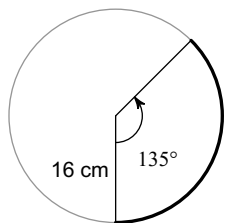
7)



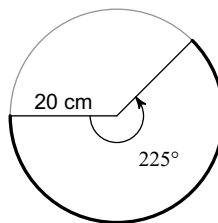
8)



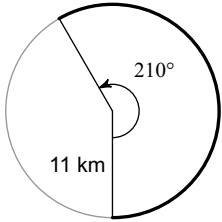
9)



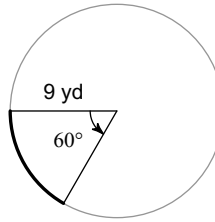
10)



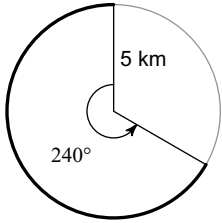
11)



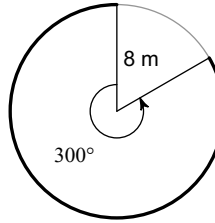
12)



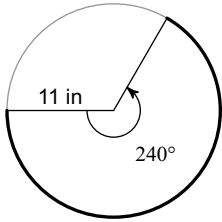
13)



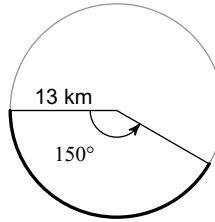
14)



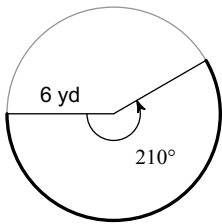
15)



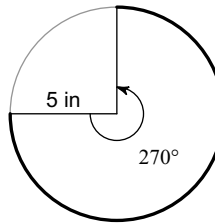
16)



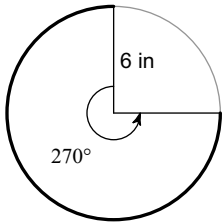
17)



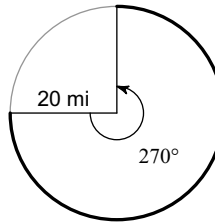
18)



19)



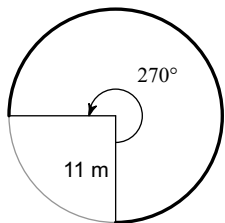
20)



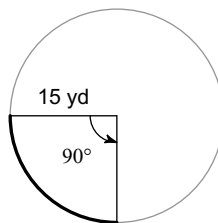
Assignment

Find the length of each arc.

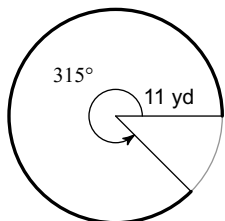
1)  $\frac{33\pi}{2}$  m



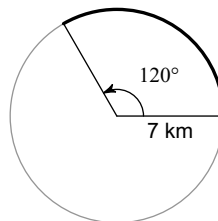
2)  $\frac{15\pi}{2}$  yd



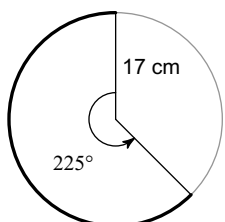
3)  $\frac{77\pi}{4}$  yd



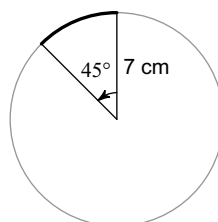
4)  $\frac{14\pi}{3}$  km



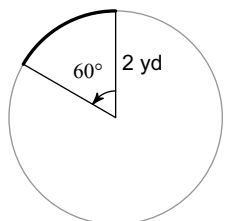
5)  $\frac{85\pi}{4}$  cm



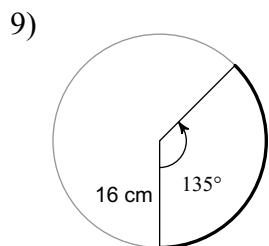
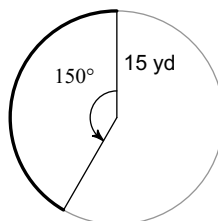
6)  $\frac{7\pi}{4}$  cm



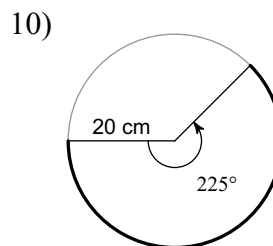
7)  $\frac{2\pi}{3}$  yd



8)  $\frac{25\pi}{2}$  yd

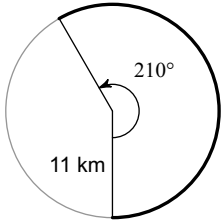


$12\pi$  cm



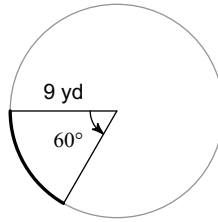
$25\pi$  cm

11)



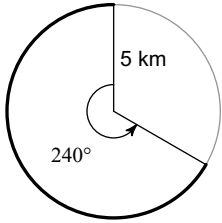
$$\frac{77\pi}{6} \text{ km}$$

12)



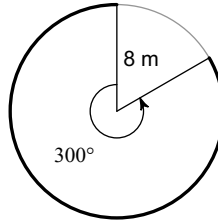
$$3\pi \text{ yd}$$

13)



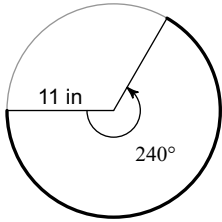
$$\frac{20\pi}{3} \text{ km}$$

14)



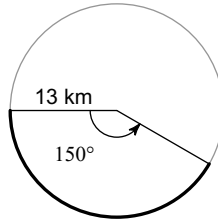
$$\frac{40\pi}{3} \text{ m}$$

15)



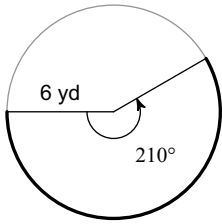
$$\frac{44\pi}{3} \text{ in}$$

16)



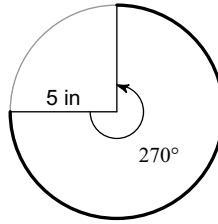
$$\frac{65\pi}{6} \text{ km}$$

17)



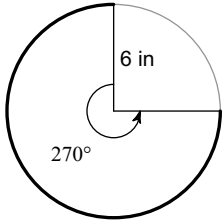
$$7\pi \text{ yd}$$

18)



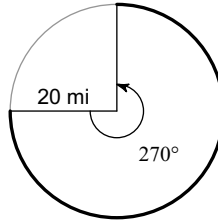
$$\frac{15\pi}{2} \text{ in}$$

19)



$$9\pi \text{ in}$$

20)



$$30\pi \text{ mi}$$