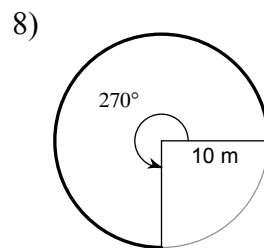
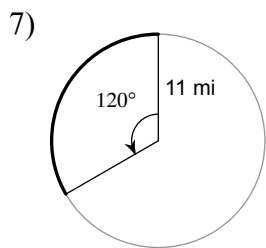
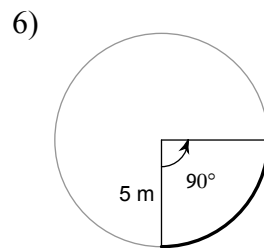
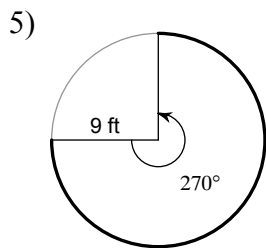
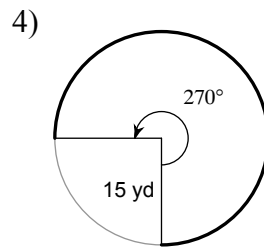
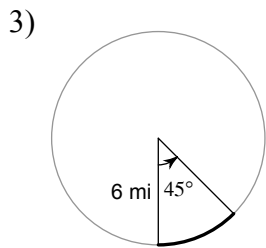
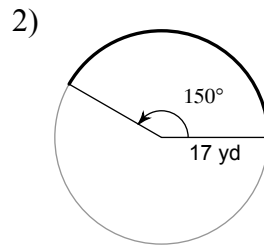
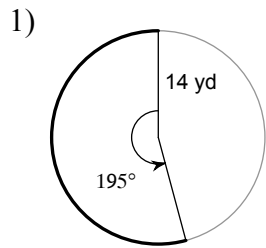


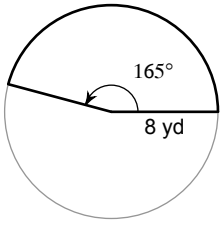
# WS Sector Area

Find the length of each arc.

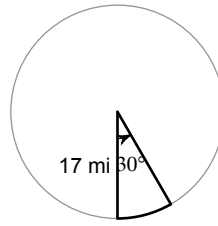


Find the area of each sector.

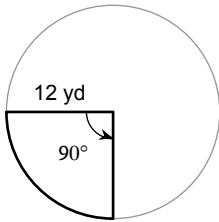
9)



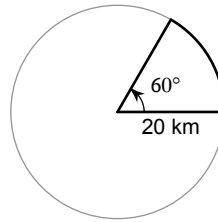
10)



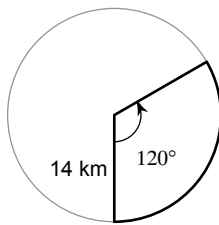
11)



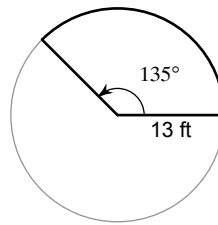
12)



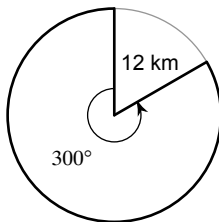
13)



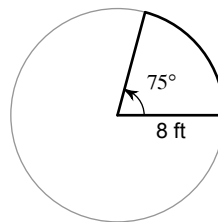
14)



15)



16)



## Answers to WS Sector Area

1)  $\frac{91\pi}{6}$  yd

2)  $\frac{85\pi}{6}$  yd

3)  $\frac{3\pi}{2}$  mi

4)  $\frac{45\pi}{2}$  yd

5)  $\frac{27\pi}{2}$  ft

6)  $\frac{5\pi}{2}$  m

7)  $\frac{22\pi}{3}$  mi

8)  $15\pi$  m

9)  $\frac{88\pi}{3}$  yd<sup>2</sup>

10)  $\frac{289\pi}{12}$  mi<sup>2</sup>

11)  $36\pi$  yd<sup>2</sup>

12)  $\frac{200\pi}{3}$  km<sup>2</sup>

13)  $\frac{196\pi}{3}$  km<sup>2</sup>

14)  $\frac{507\pi}{8}$  ft<sup>2</sup>

15)  $120\pi$  km<sup>2</sup>

16)  $\frac{40\pi}{3}$  ft<sup>2</sup>