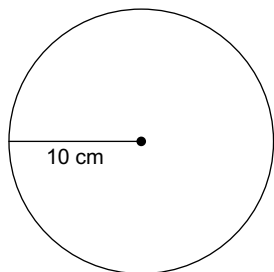


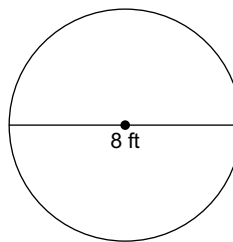
Day 5 - Arc Length and Area of a Sector

Find the circumference of each circle.

1)



2)



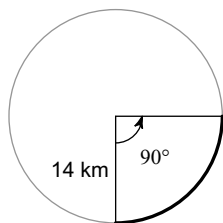
Find the radius of each circle.

3) circumference = 8π mi

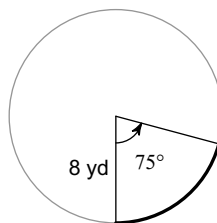
4) circumference = 18π cm

Find the length of each arc.

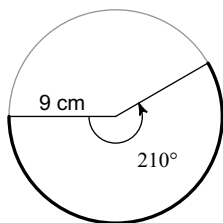
5)



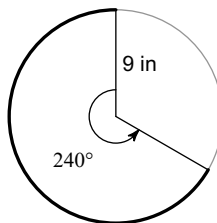
6)



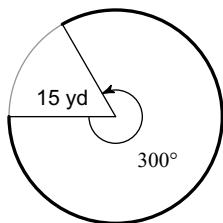
7)



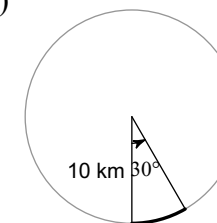
8)



9)

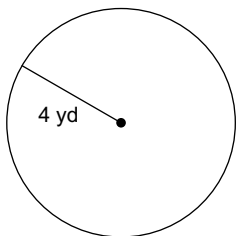


10)

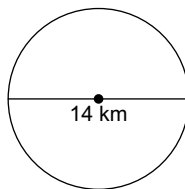


Find the area of each.

11)



12)



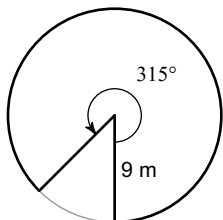
Find the radius of each circle.

13) area = 49π mi²

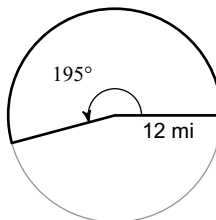
14) area = 16π in²

Find the area of each sector.

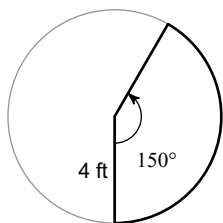
15)



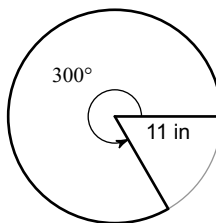
16)



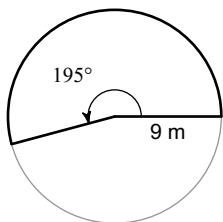
17)



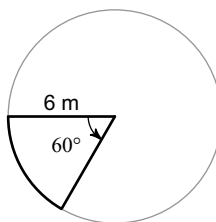
18)



19)



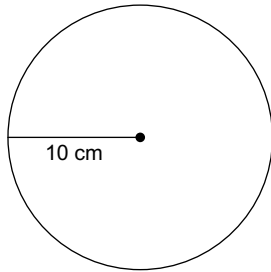
20)



Day 5 - Arc Length and Area of a Sector

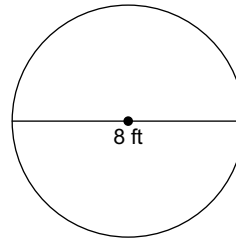
Find the circumference of each circle.

1)



$20\pi \text{ cm}$

2)



$8\pi \text{ ft}$

Find the radius of each circle.

3) circumference = $8\pi \text{ mi}$

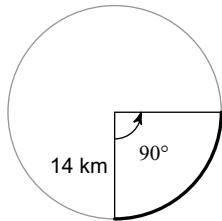
4 mi

4) circumference = $18\pi \text{ cm}$

9 cm

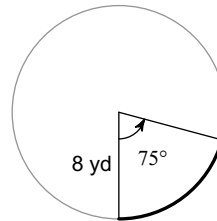
Find the length of each arc.

5)



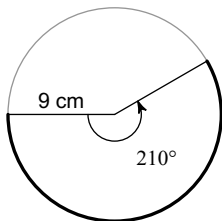
$7\pi \text{ km}$

6)



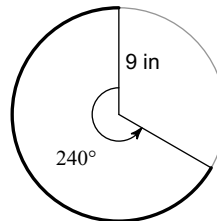
$\frac{10\pi}{3} \text{ yd}$

7)



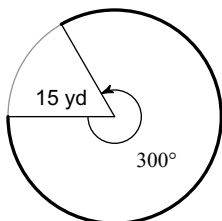
$\frac{21\pi}{2} \text{ cm}$

8)



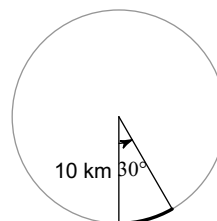
$12\pi \text{ in}$

9)



$25\pi \text{ yd}$

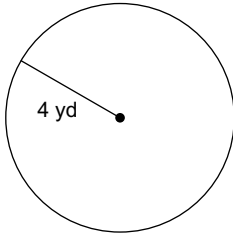
10)



$\frac{5\pi}{3} \text{ km}$

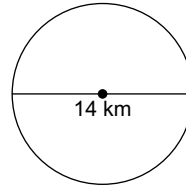
Find the area of each.

11)



$$16\pi \text{ yd}^2$$

12)



$$49\pi \text{ km}^2$$

Find the radius of each circle.

13) area = $49\pi \text{ mi}^2$

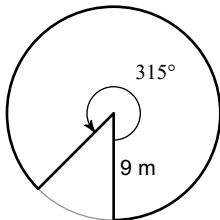
$$7 \text{ mi}$$

14) area = $16\pi \text{ in}^2$

$$4 \text{ in}$$

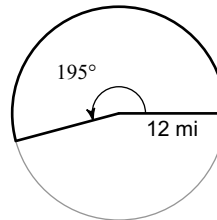
Find the area of each sector.

15)



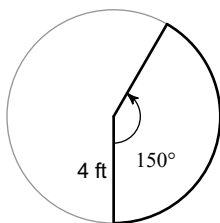
$$\frac{567\pi}{8} \text{ m}^2$$

16)



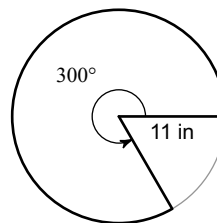
$$78\pi \text{ mi}^2$$

17)



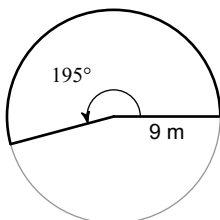
$$\frac{20\pi}{3} \text{ ft}^2$$

18)



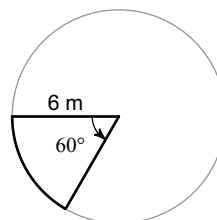
$$\frac{605\pi}{6} \text{ in}^2$$

19)



$$\frac{351\pi}{8} \text{ m}^2$$

20)



$$6\pi \text{ m}^2$$