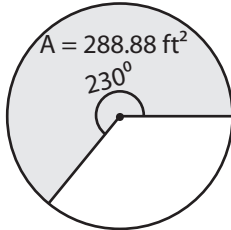


Area of a Sector

Find the radius, central angle, and area of the sector of each circle. Round the radius and central angle to the nearest whole number and the area of the sector to two decimal places. (Use $\pi = 3.14$)

1)

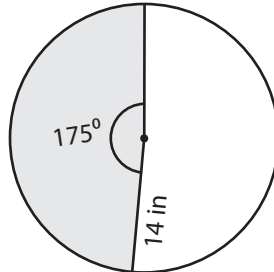


Radius = _____

Central angle = _____

Area of a sector = _____

2)

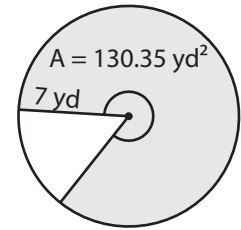


Radius = _____

Central angle = _____

Area of a sector = _____

3)

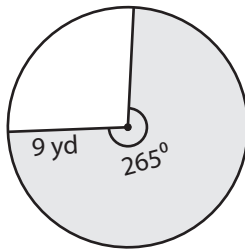


Radius = _____

Central angle = _____

Area of a sector = _____

4)

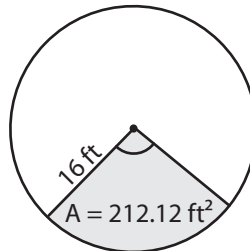


Radius = _____

Central angle = _____

Area of a sector = _____

5)

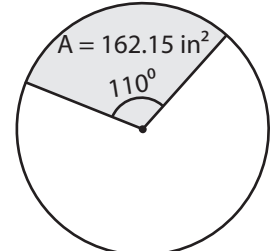


Radius = _____

Central angle = _____

Area of a sector = _____

6)

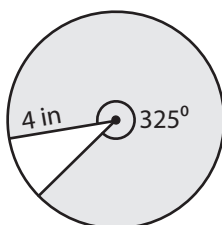


Radius = _____

Central angle = _____

Area of a sector = _____

7)

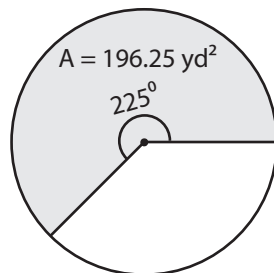


Radius = _____

Central angle = _____

Area of a sector = _____

8)

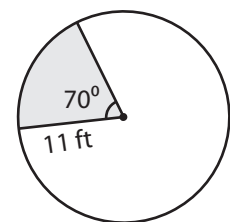


Radius = _____

Central angle = _____

Area of a sector = _____

9)



Radius = _____

Central angle = _____

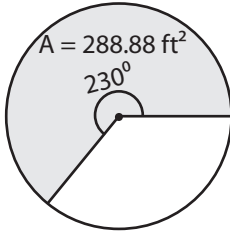
Area of a sector = _____

Area of a Sector

Answer Key

Find the radius, central angle, and area of the sector of each circle. Round the radius and central angle to the nearest whole number and the area of the sector to two decimal places. (Use $\pi = 3.14$)

1)

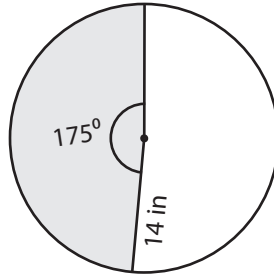


Radius = 12 ft

Central angle = 230°

Area of a sector = 288.88 ft²

2)

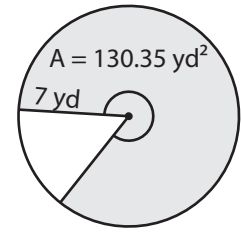


Radius = 14 in

Central angle = 175°

Area of a sector = 299.17 in²

3)

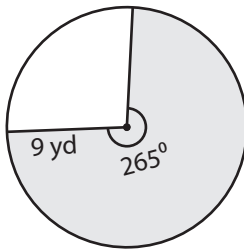


Radius = 7 yd

Central angle = 305°

Area of a sector = 130.35 yd²

4)

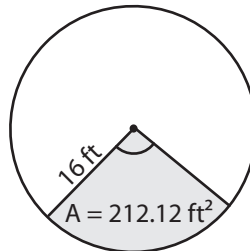


Radius = 9 yd

Central angle = 265°

Area of a sector = 187.22 yd²

5)

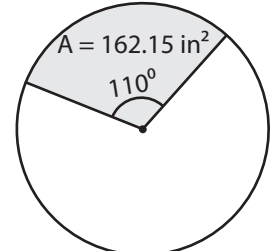


Radius = 16 ft

Central angle = 95°

Area of a sector = 212.12 ft²

6)

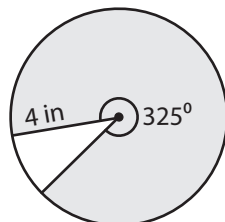


Radius = 13 in

Central angle = 110°

Area of a sector = 162.15 in²

7)

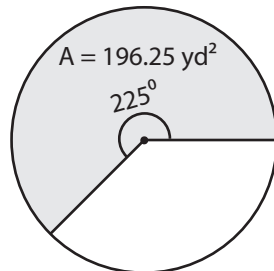


Radius = 4 in

Central angle = 325°

Area of a sector = 45.36 in²

8)

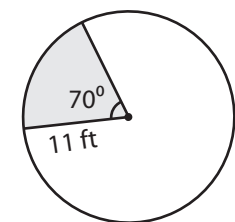


Radius = 10 yd

Central angle = 225°

Area of a sector = 196.25 yd²

9)



Radius = 11 ft

Central angle = 70°

Area of a sector = 73.88 ft²