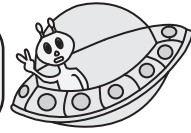


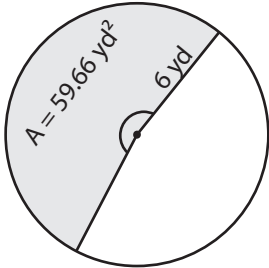
**Radius, Central Angle & Area**

$$\text{Area of a sector} = \frac{\text{central angle}}{360^\circ} \times \pi \times \text{radius}^2 = \frac{\theta \times \pi \times r^2}{360^\circ}$$



Find the missing one. Round the radius and central angle to the nearest whole number.  
Round the area to two decimal places. ( use  $\pi = 3.14$  )

1)

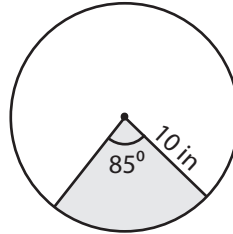


Radius = \_\_\_\_\_

Central angle = \_\_\_\_\_

Area of a sector = \_\_\_\_\_

2)

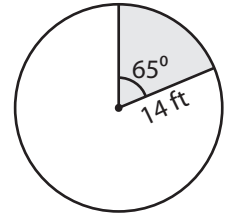


Radius = \_\_\_\_\_

Central angle = \_\_\_\_\_

Area of a sector = \_\_\_\_\_

3)

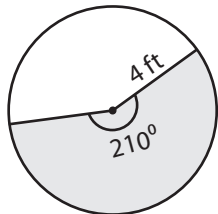


Radius = \_\_\_\_\_

Central angle = \_\_\_\_\_

Area of a sector = \_\_\_\_\_

4)



Radius = \_\_\_\_\_

Central angle = \_\_\_\_\_

Area of a sector = \_\_\_\_\_

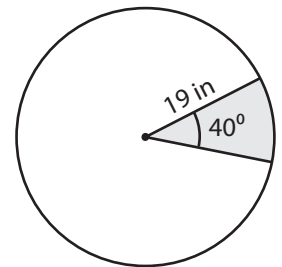
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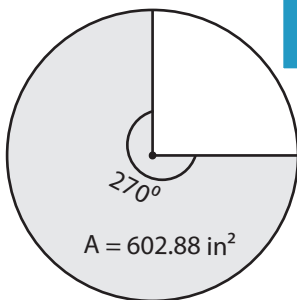


Radius = \_\_\_\_\_

Central angle = \_\_\_\_\_

Area of a sector = \_\_\_\_\_

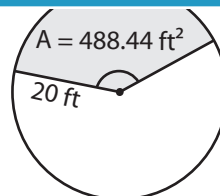
7)



Radius = \_\_\_\_\_

Central angle = \_\_\_\_\_

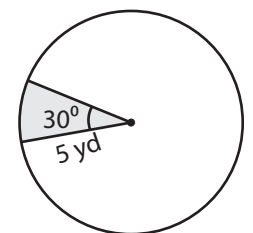
Area of a sector = \_\_\_\_\_



Radius = \_\_\_\_\_

Central angle = \_\_\_\_\_

Area of a sector = \_\_\_\_\_



Radius = \_\_\_\_\_

Central angle = \_\_\_\_\_

Area of a sector = \_\_\_\_\_

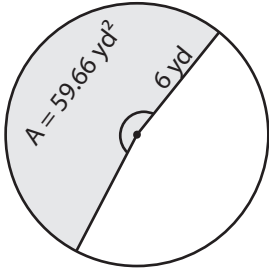
## Radius, Central Angle &amp; Area

$$\text{Area of a sector} = \frac{\text{central angle}}{360^\circ} \times \pi \times \text{radius}^2 = \frac{\theta \times \pi \times r^2}{360^\circ}$$



Find the missing one. Round the radius and central angle to the nearest whole number.  
Round the area to two decimal places. ( use  $\pi = 3.14$  )

1)

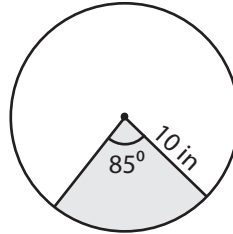


Radius = 6 yd

Central angle = 190°

Area of a sector = 59.66 yd²

2)

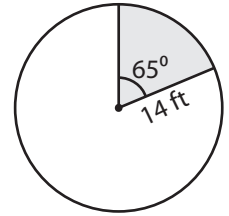


Radius = 14 ft

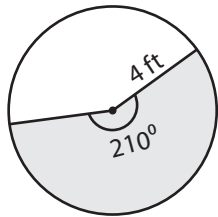
Central angle = 65°

Area of a sector = 111.12 ft²

3)



4)



Radius = 4 ft

Central angle = 210°

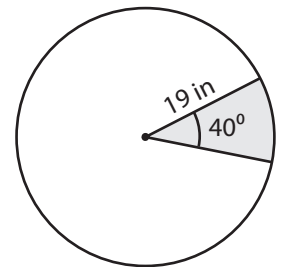
Area of a sector = 29.31 ft²

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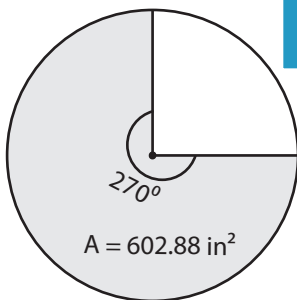


Radius = 19 in

Central angle = 40°

Area of a sector = 125.95 in²

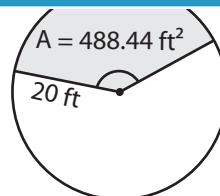
7)



Radius = 16 in

Central angle = 270°

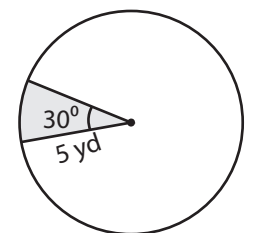
Area of a sector = 602.88 in²



Radius = 20 ft

Central angle = 140°

Area of a sector = 488.44 ft²



Radius = 5 yd

Central angle = 30°

Area of a sector = 6.54 yd²