

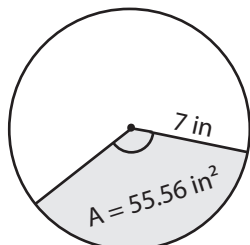
Radius, Central Angle & Area

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



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)

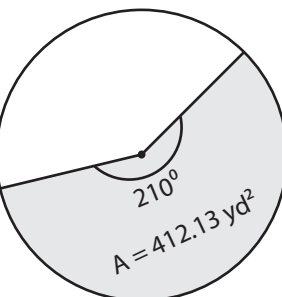
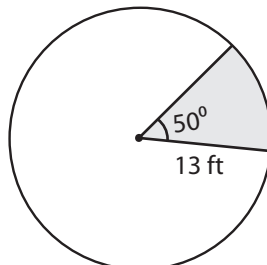


Radius = _____

Central angle = _____

Area of a sector = _____

2)

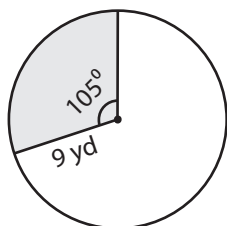


Radius = _____

Central angle = _____

Area of a sector = _____

4)



Radius = _____

Central angle = _____

Area of a sector = _____

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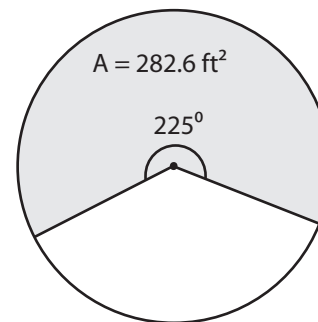
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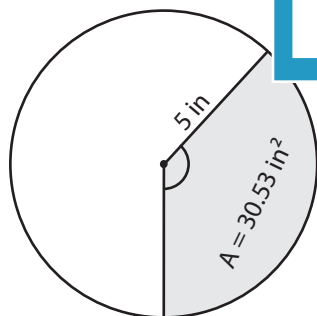


Radius = _____

Central angle = _____

Area of a sector = _____

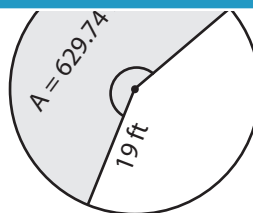
7)



Radius = _____

Central angle = _____

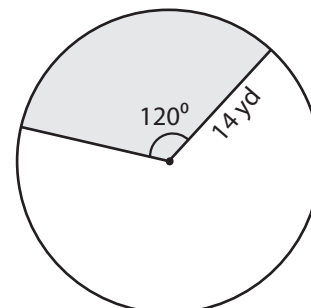
Area of a sector = _____



Radius = _____

Central angle = _____

Area of a sector = _____



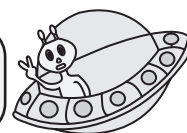
Radius = _____

Central angle = _____

Area of a sector = _____

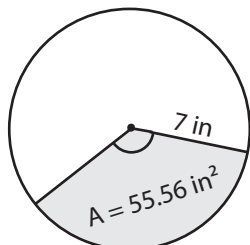
Radius, Central Angle & Area

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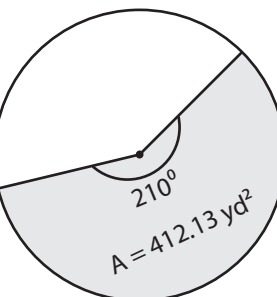
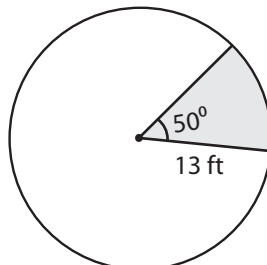


Find the missing one. Round the radius and central angle to the nearest whole number.
Round the area to two decimal places. (use $\pi = 3.14$)

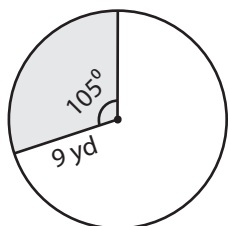
1)

Radius = 7 inCentral angle = 130°Area of a sector = 55.56 in²

2)

Radius = 15 ydCentral angle = 210°Area of a sector = 412.13 yd²

4)

Radius = 9 ydCentral angle = 105°Area of a sector = 74.18 yd²

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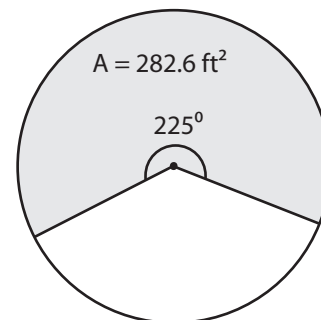
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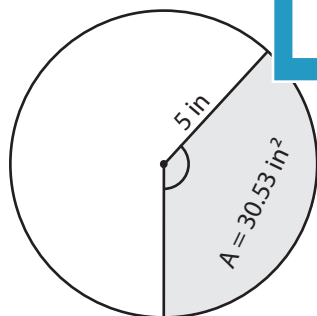
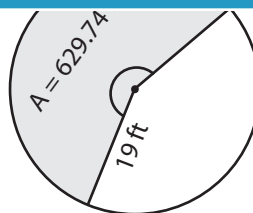
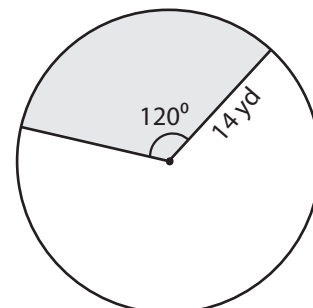
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Radius = 12 ftCentral angle = 225°Area of a sector = 282.6 ft²

7)

Radius = 5 inCentral angle = 140°Area of a sector = 30.53 in²Radius = 19 ftCentral angle = 200°Area of a sector = 629.74 ft²Radius = 14 ydCentral angle = 120°Area of a sector = 205.15 yd²