Name : _____

Score : _____

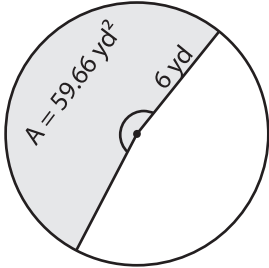## Radius, Central Angle & Area

Area of a sector = $\dfrac{\text{central angle}}{360^0} \times \pi \times \text{radius}^2 = \dfrac{\theta \times \pi \times r^2}{360^0}$

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

1)

A = 59.66 yd²
6 yd

Radius = _____

Central angle = _____

Area of a sector = _____

2)

10 in
85⁰

3)

65⁰
14 ft

Radius = _____

Central angle = _____

Area of a sector = _____

4)

4 ft
210⁰

Radius = _____

Central angle = _____

Area of a sector = _____

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19 in
40⁰

Radius = _____

Central angle = _____

Area of a sector = _____

7)

270⁰

A = 602.88 in²

A = 488.44 ft²
20 ft

30⁰
5 yd
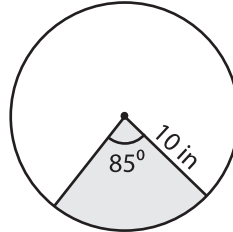
Radius = _____

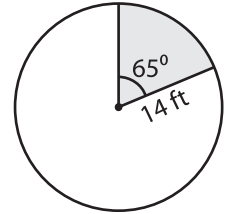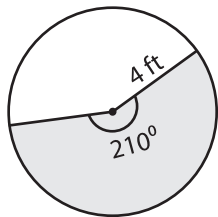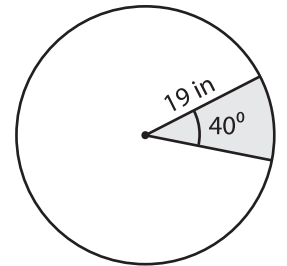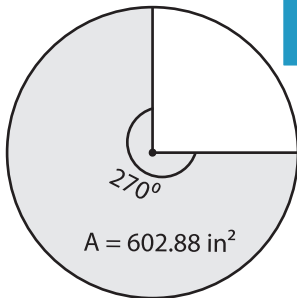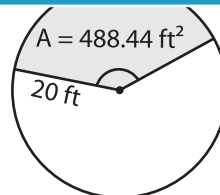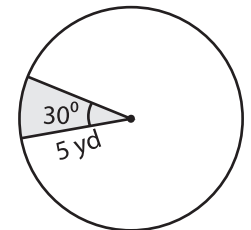Central angle = _____

Area of a sector = _____

Radius = _____

Central angle = _____

Area of a sector = _____

Radius = _____

Central angle = _____

Area of a sector = _____