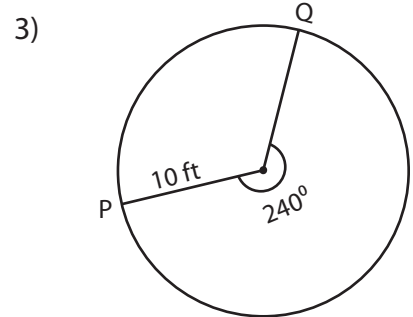
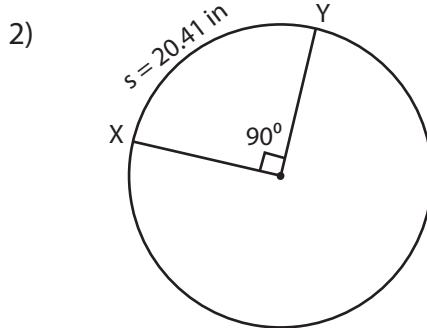
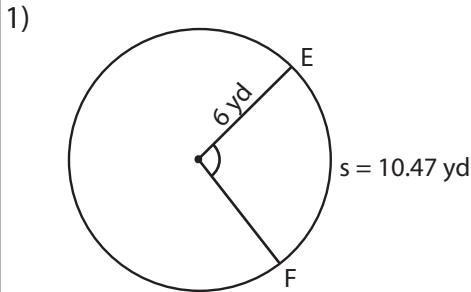


Radius, Central Angle & Arc Length

$$\text{Arc length of a sector } (s) = \frac{\text{central angle}}{180^\circ} \times \pi \times \text{radius} = \frac{\theta \times \pi \times r}{180^\circ}$$

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



Radius = _____

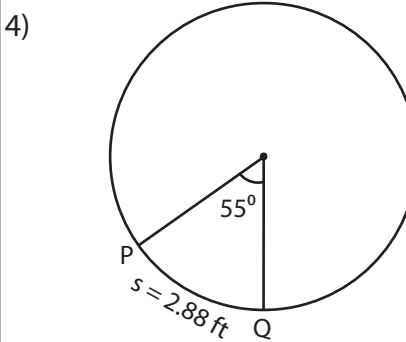
Central angle = _____

Length of the arc EF = _____

Radius = _____

Central angle = _____

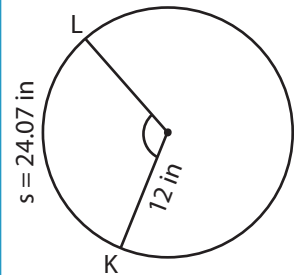
Length of the arc PQ = _____



Radius = _____

Central angle = _____

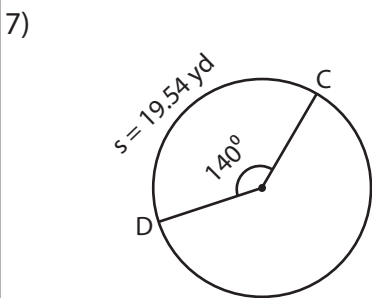
Length of the arc PQ = _____



Radius = _____

Central angle = _____

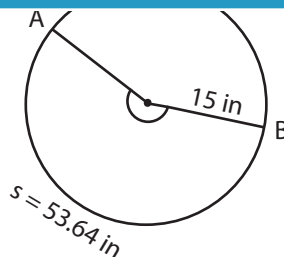
Length of the arc KL = _____



Radius = _____

Central angle = _____

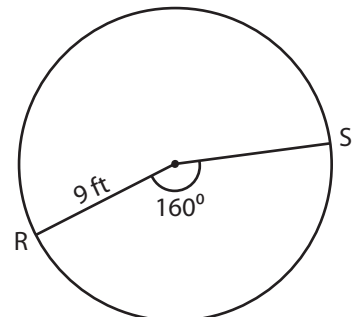
Length of the arc CD = _____



Radius = _____

Central angle = _____

Length of the arc AB = _____



Radius = _____

Central angle = _____

Length of the arc RS = _____

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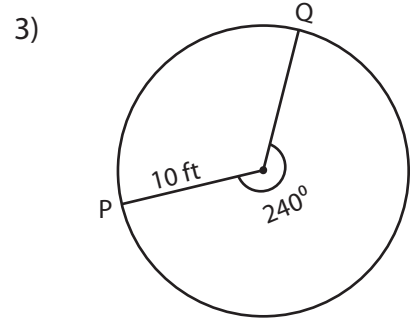
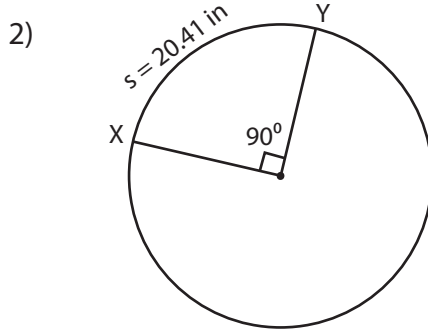
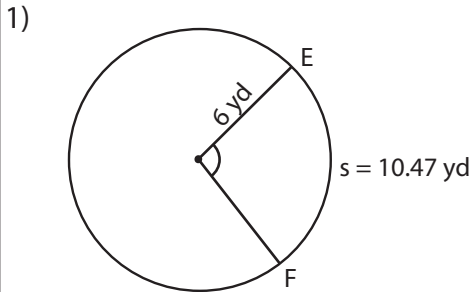
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Radius, Central Angle & Arc Length

$$\text{Arc length of a sector (s)} = \frac{\text{central angle}}{180^\circ} \times \pi \times \text{radius} = \frac{\theta \times \pi \times r}{180^\circ}$$

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



Radius = 6 yd

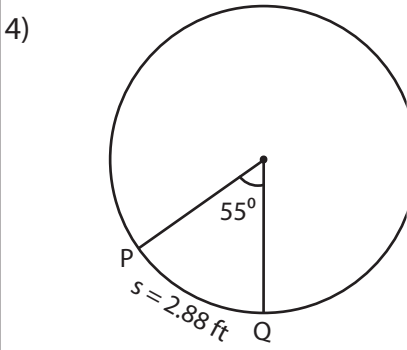
Central angle = 100°

Length of the arc EF = 10.47 yd

Radius = 10 ft

Central angle = 240°

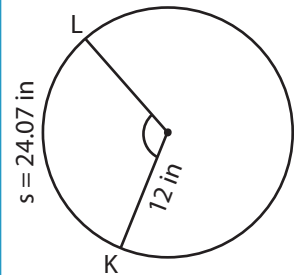
Length of the arc PQ = 41.87 ft



Radius = 3 ft

Central angle = 55°

Length of the arc PQ = 2.88 ft



Radius = 12 in

Central angle = 115°

Length of the arc KL = 24.07 in

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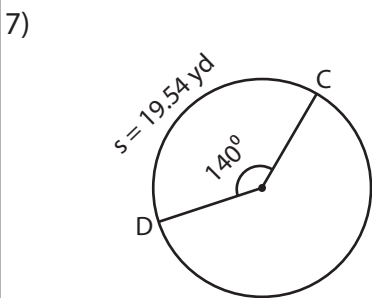
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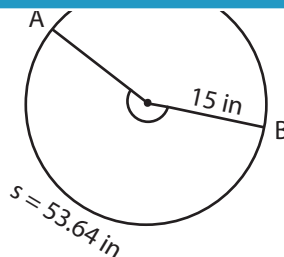
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Radius = 8 yd

Central angle = 140°

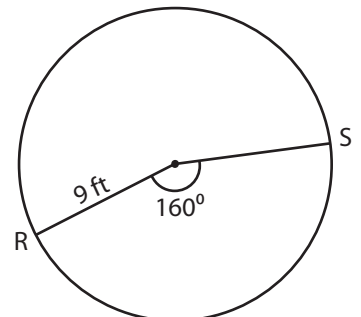
Length of the arc CD = 19.54 yd



Radius = 15 in

Central angle = 205°

Length of the arc AB = 53.64 in



Radius = 9 ft

Central angle = 160°

Length of the arc RS = 25.12 ft