Length of Arc

Example:

Arc length of a sector (s) = $\dfrac{\text{central angle}}{180^0}$ x π x radius = $\dfrac{\theta \times \pi \times r}{180^0}$

$= \dfrac{65^0 \times 3.14 \times 7}{180^0}$

Length of the arc CD = **7.94 yd**

s=?
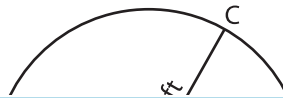
Find the arc length of each sector. Round the answer to two decimal places. (use π=3.14)

1)
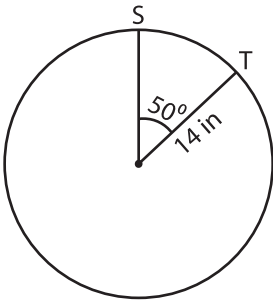
Length of the arc ST = _____

2)

3)

h of the arc PQ = _____

4)

Length of the arc GH = _____
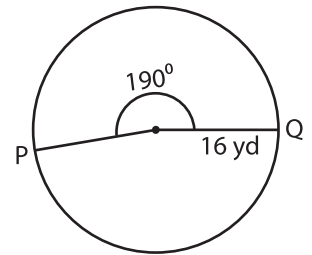
h of the arc JK = _____

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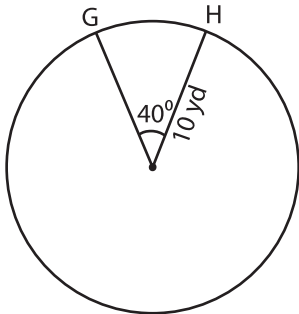
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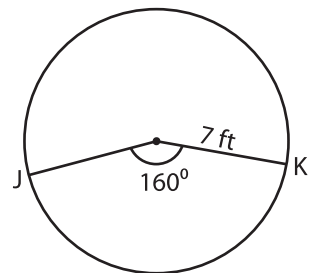
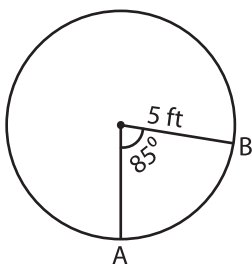www.mathworksheets4kids.com
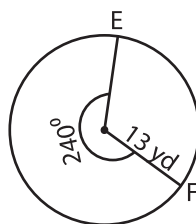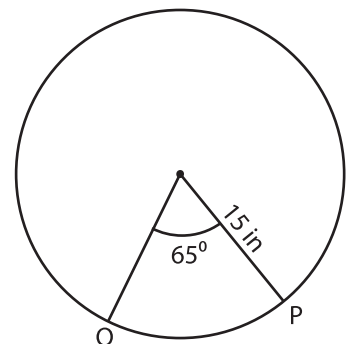
7)

Length of the arc AB = _____

Length of the arc EF = _____

Length of the arc OP = _____