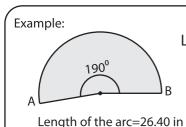
Finding Area of a Sector



Area=?

Length of the arc =
$$\frac{\theta \times \pi \times r}{180^0}$$

$$26.40 = \frac{190^{0} \times 3.14 \times r}{180^{0}}$$

r = 8 in

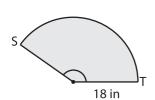
Area of a sector =
$$\frac{\theta \times \pi \times r^2}{360^0}$$

= $\frac{190 \times 3.14 \times 8 \times 8}{360^0}$

= 106.06 in²

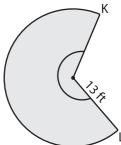
Find the area of each shaded region. Round the answer to two decimal places. (use π =3.14)

1)



2)





PREVIEW

Length of the arc ST = 45.53 in

4)

7)



Length of the arc JK = 26.69 ft

Area = ____

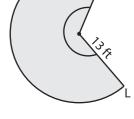
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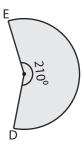
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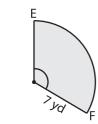
th of the arc KL = 54.43 ft

Area = _____



th of the arc DE = 18.32 yd

Area = _____



Length of the arc EF = 14.65 yd

Length of the arc AB = 26.86 ft

Length of the arc GH = 41.87 in

Area = _____

Area = _____

Area = _____