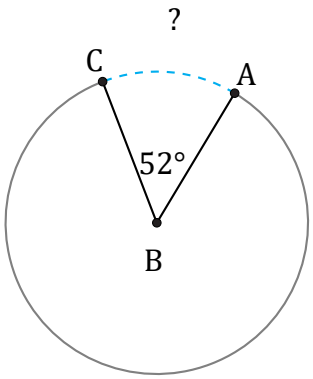
Arc Length (I)

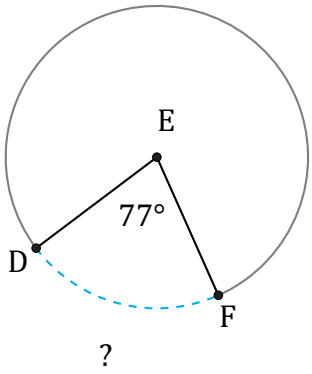
Name: _____ Date: _____

Calculate each arc length.



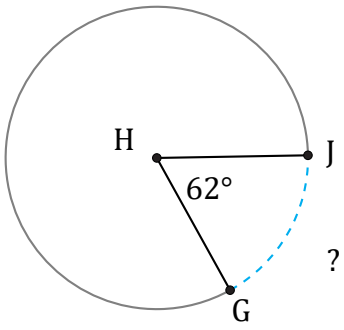
Diameter = 112 mm

$\overset{\frown}{AC}$ =



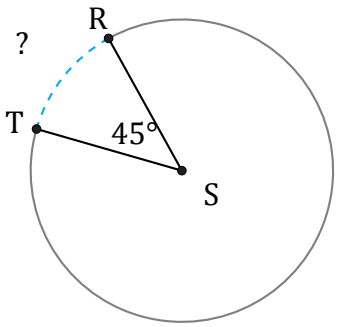
Diameter = 20 cm

$\overset{\frown}{DF}$ =



Diameter = 438 ft

$\overset{\frown}{GJ}$ =



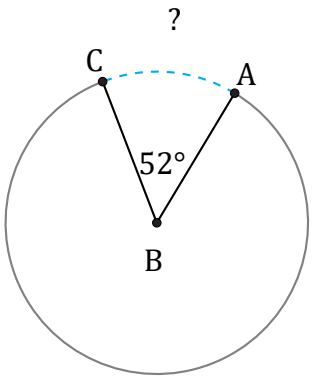
Diameter = 2 in

$\overset{\frown}{RT}$ =

Arc Length (I) Answers

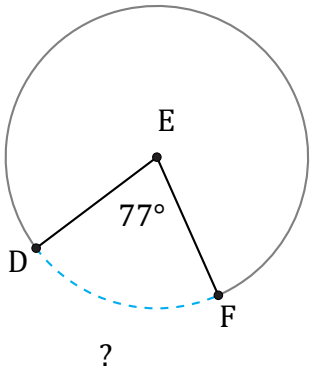
Name: _____ Date: _____

Calculate each arc length.



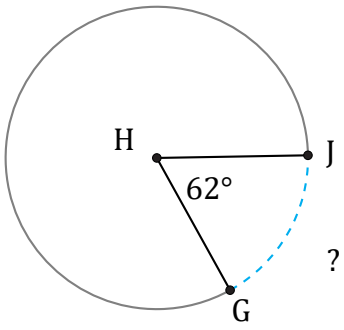
Diameter = 112 mm

$\overset{\frown}{AC} = \frac{52}{360} \times \pi \times 112 = 50.82$ mm



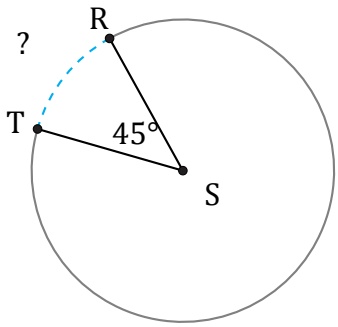
Diameter = 20 cm

$\overset{\frown}{DF} = \frac{77}{360} \times \pi \times 20 = 13.44$ cm



Diameter = 438 ft

$\overset{\frown}{GJ} = \frac{62}{360} \times \pi \times 438 = 236.98$ ft



Diameter = 2 in

$\overset{\frown}{RT} = \frac{45}{360} \times \pi \times 2 = 0.79$ in