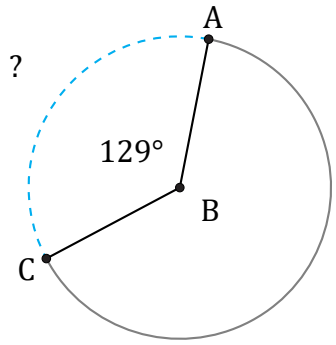
Arc Length (G)

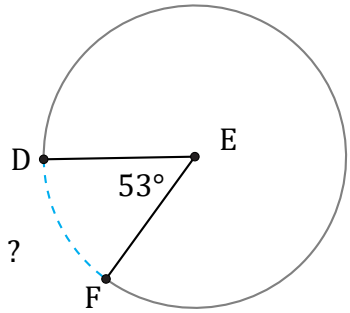
Name: _____ Date: _____

Calculate each arc length.



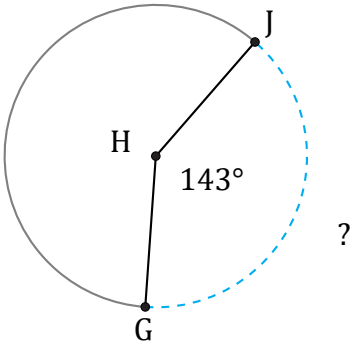
Radius = 554 mi

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



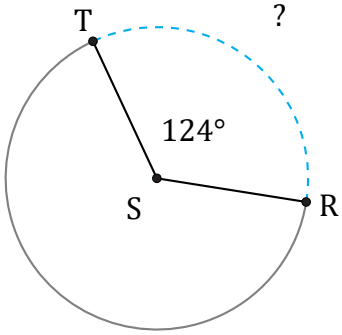
Radius = 2 mm

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



Radius = 61 ft

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



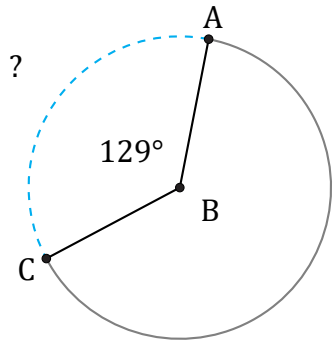
Radius = 70 mm

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

Arc Length (G) Answers

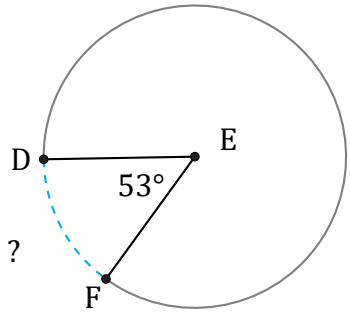
Name: _____ Date: _____

Calculate each arc length.



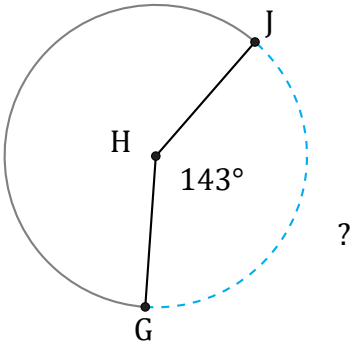
Radius = 554 mi

$\overset{\frown}{AC} = \frac{129}{360} \times \pi \times 554 \times 2 = 1247.32$ mi



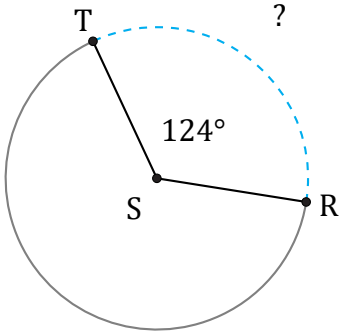
Radius = 2 mm

$\overset{\frown}{DF} = \frac{53}{360} \times \pi \times 2 \times 2 = 1.85$ mm



Radius = 61 ft

$\overset{\frown}{GJ} = \frac{143}{360} \times \pi \times 61 \times 2 = 152.25$ ft



Radius = 70 mm

$\overset{\frown}{RT} = \frac{124}{360} \times \pi \times 70 \times 2 = 151.49$ mm