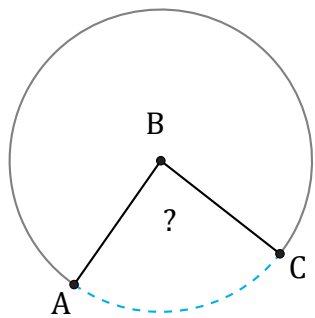


Arc Angles (I)

Name: _____

Date: _____

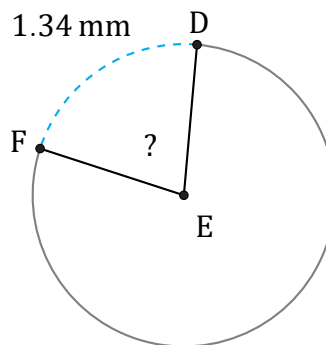
Calculate each arc angle measurement.



783.51 m

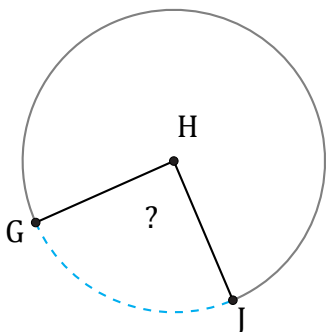
Radius = 516 m

$\angle ABC =$



Radius = 1 mm

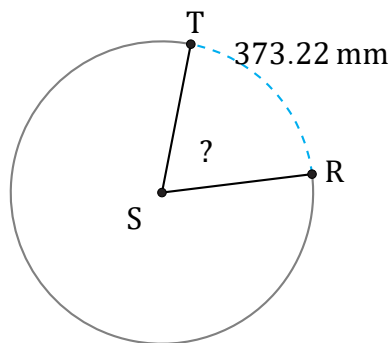
$\angle DEF =$



6.21 km

Radius = 4 km

$\angle GHJ =$



Radius = 297 mm

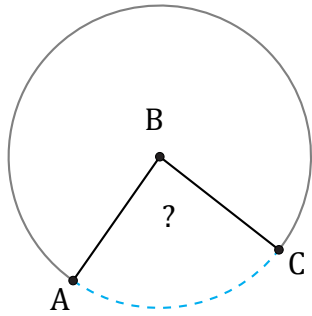
$\angle RST =$

Arc Angles (I) Answers

Name: _____

Date: _____

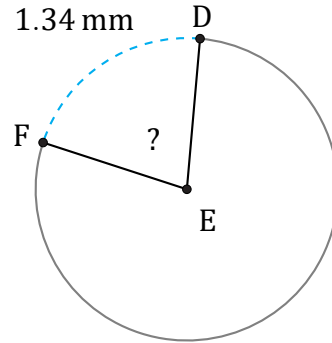
Calculate each arc angle measurement.



783.51 m

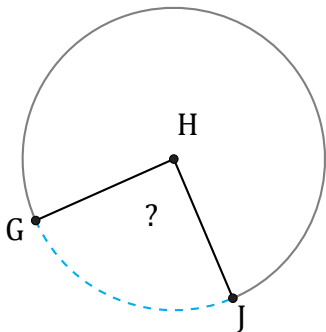
Radius = 516 m

$$\angle ABC = \frac{783.51}{516 \times \pi \times 2} \times 360 = 87^\circ$$



Radius = 1 mm

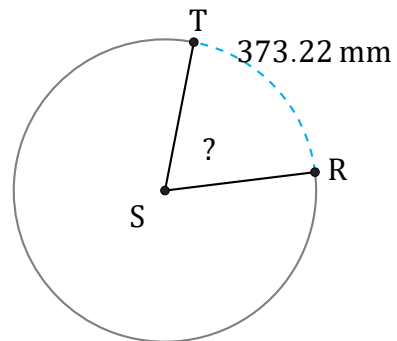
$$\angle DEF = \frac{1.34}{1 \times \pi \times 2} \times 360 = 76.8^\circ$$



6.21 km

Radius = 4 km

$$\angle GHJ = \frac{6.21}{4 \times \pi \times 2} \times 360 = 89^\circ$$



Radius = 297 mm

$$\angle RST = \frac{373.22}{297 \times \pi \times 2} \times 360 = 72^\circ$$