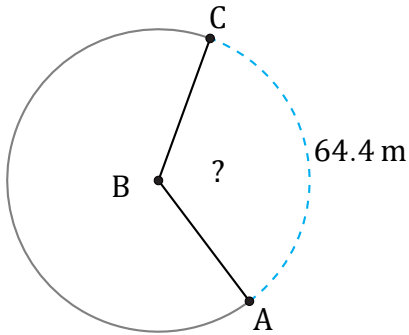


# Arc Angles (F)

Name: \_\_\_\_\_

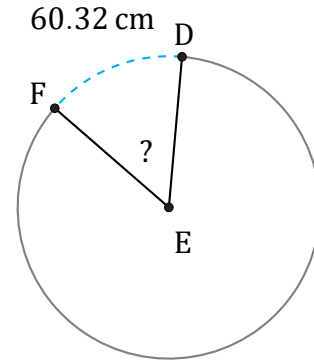
Date: \_\_\_\_\_

Calculate each arc angle measurement.



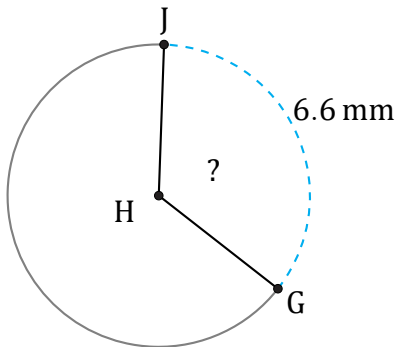
Radius = 30 m

$\angle ABC =$



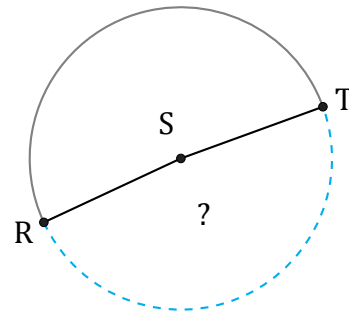
Radius = 64 cm

$\angle DEF =$



Radius = 3 mm

$\angle GHJ =$



18.33 km

Radius = 6 km

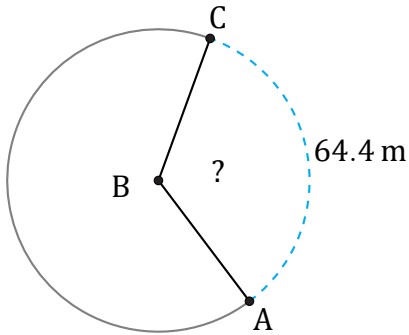
$\angle RST =$

# Arc Angles (F) Answers

Name: \_\_\_\_\_

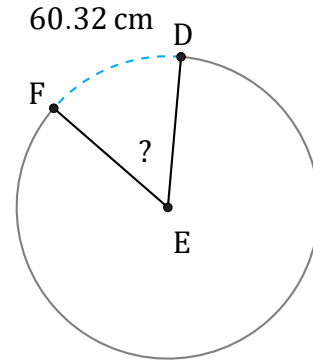
Date: \_\_\_\_\_

Calculate each arc angle measurement.



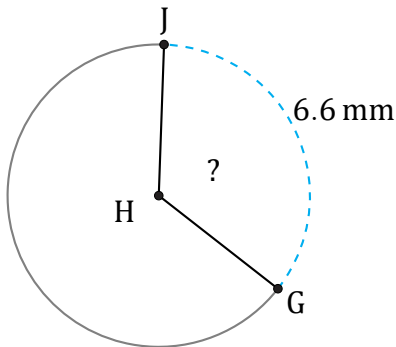
Radius = 30 m

$$\angle ABC = \frac{64.4}{30 \times \pi \times 2} \times 360 = 123^\circ$$



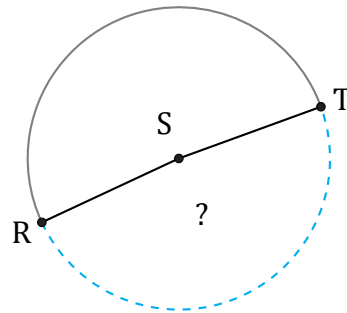
Radius = 64 cm

$$\angle DEF = \frac{60.32}{64 \times \pi \times 2} \times 360 = 54^\circ$$



Radius = 3 mm

$$\angle GHJ = \frac{6.6}{3 \times \pi \times 2} \times 360 = 126.1^\circ$$



Radius = 6 km

$$\angle RST = \frac{18.33}{6 \times \pi \times 2} \times 360 = 175^\circ$$