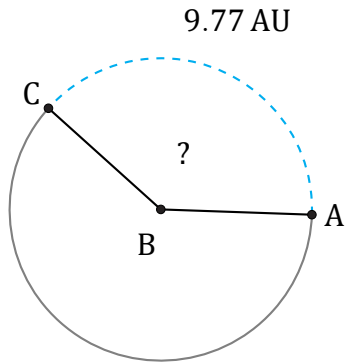


Arc Angles (D)

Name: _____

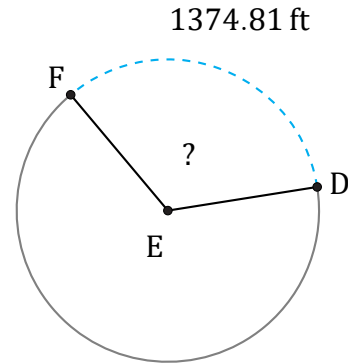
Date: _____

Calculate each arc angle measurement.



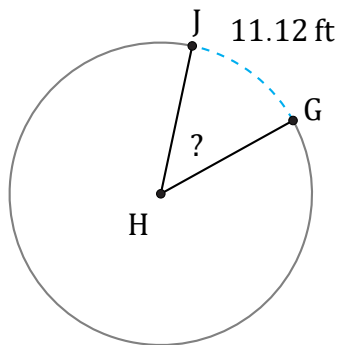
Radius = 4 AU

$\angle ABC =$



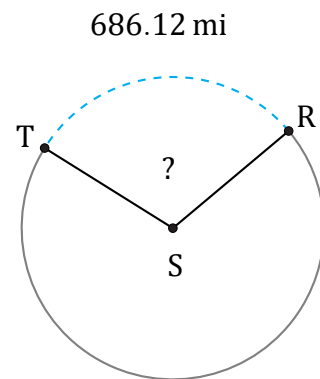
Radius = 651 ft

$\angle DEF =$



Radius = 13 ft

$\angle GHJ =$



Radius = 364 mi

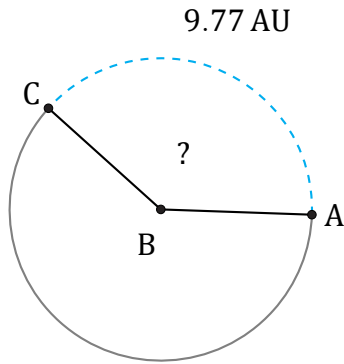
$\angle RST =$

Arc Angles (D) Answers

Name: _____

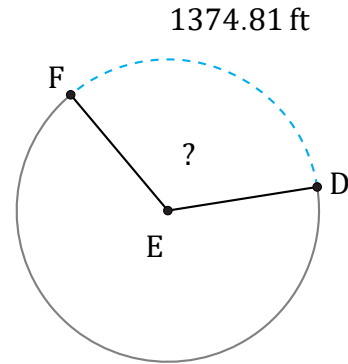
Date: _____

Calculate each arc angle measurement.



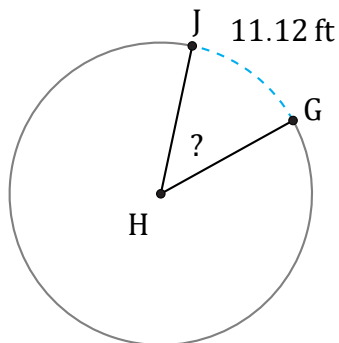
Radius = 4 AU

$$\angle ABC = \frac{9.77}{4 \times \pi \times 2} \times 360 = 139.9^\circ$$



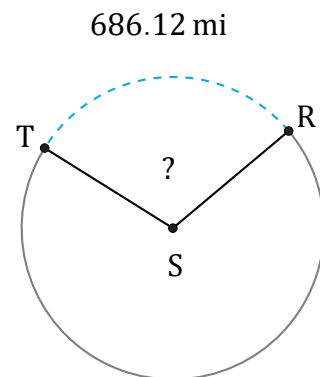
Radius = 651 ft

$$\angle DEF = \frac{1374.81}{651 \times \pi \times 2} \times 360 = 121^\circ$$



Radius = 13 ft

$$\angle GHJ = \frac{11.12}{13 \times \pi \times 2} \times 360 = 49^\circ$$



Radius = 364 mi

$$\angle RST = \frac{686.12}{364 \times \pi \times 2} \times 360 = 108^\circ$$