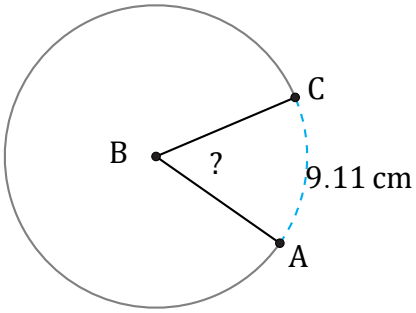
Arc Angles (C)

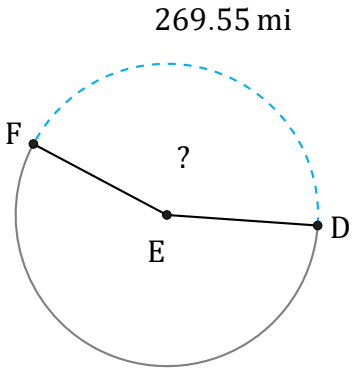
Name: _____ Date: _____

Calculate each arc angle measurement.



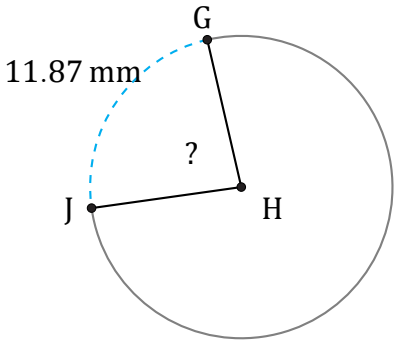
Radius = 9 cm

∠ABC =



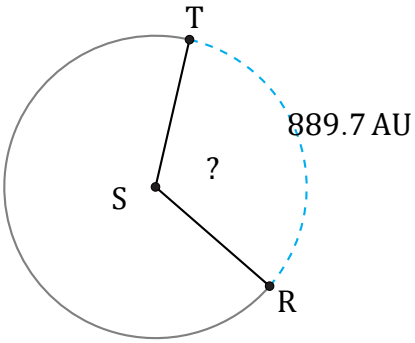
Radius = 99 mi

∠DEF =



Radius = 8 mm

∠GHJ =



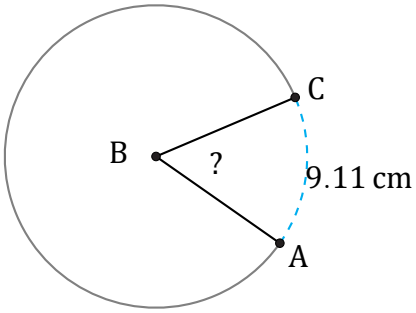
Radius = 432 AU

∠RST =

Arc Angles (C) Answers

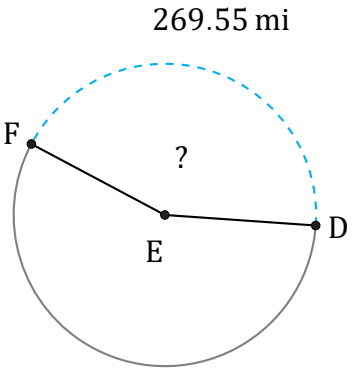
Name: _____ Date: _____

Calculate each arc angle measurement.



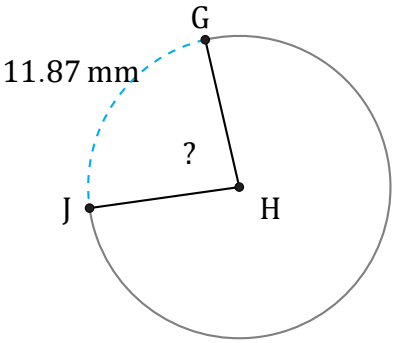
Radius = 9 cm

$\angle ABC = \frac{9.11}{9 \times \pi \times 2} \times 360 = 58°$



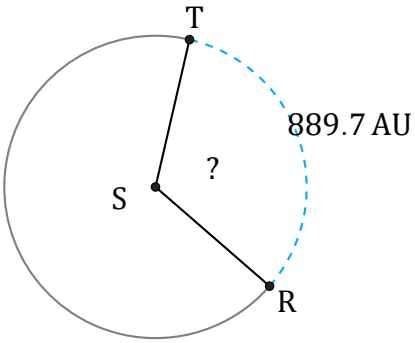
Radius = 99 mi

$\angle DEF = \frac{269.55}{99 \times \pi \times 2} \times 360 = 156°$



Radius = 8 mm

$\angle GHJ = \frac{11.87}{8 \times \pi \times 2} \times 360 = 85°$



Radius = 432 AU

$\angle RST = \frac{889.7}{432 \times \pi \times 2} \times 360 = 118°$