Date: $\qquad$
Calculate each arc angle measurement.


$$
\begin{aligned}
& \quad \text { Diameter }=198 \mathrm{~km} \\
& \angle \mathrm{ABC}=
\end{aligned}
$$

$$
\angle \mathrm{DEF}=
$$



$$
\begin{aligned}
& \quad \text { Diameter }=8 \mathrm{~mm} \\
& \angle \mathrm{GHJ}=
\end{aligned}
$$



Circumference $=50.27$ in $\angle \mathrm{RST}=$

## Arc Angles (D) Answers

Name: $\qquad$ Date:
Calculate each arc angle measurement.


$$
\begin{gathered}
\text { Diameter }=198 \mathrm{~km} \\
\angle \mathrm{ABC}=\frac{254}{198 \times \pi} \times 360=147^{\circ}
\end{gathered}
$$

$$
\begin{gathered}
\text { Radius }=6 \text { in } \\
\angle \mathrm{DEF}=\frac{9.63}{6 \times \pi \times 2} \times 360=92^{\circ}
\end{gathered}
$$



Diameter $=8 \mathrm{~mm}$
$\angle \mathrm{GHJ}=\frac{9.29}{8 \times \pi} \times 360=133.1^{\circ}$


Circumference $=50.27$ in $\angle \mathrm{RST}=\frac{5.17}{50.27} \times 360=37^{\circ}$

