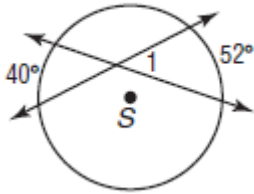


Geometry
10.6 Secants, Tangents, and Angle Measure

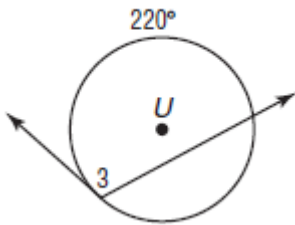
Name _____
 Date _____ Hour _____

Find each indicated measure. Assume that any segment, ray, or line that appears to be tangent is tangent.

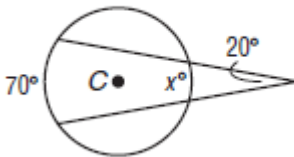
1. $m\angle 1$



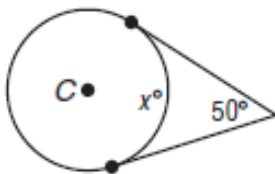
2. $m\angle 3$



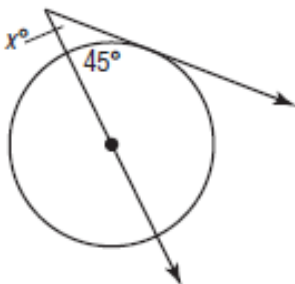
3. x



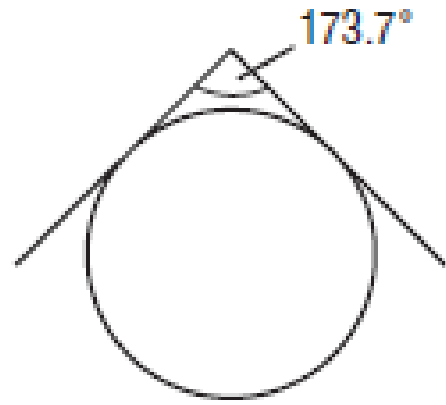
4. x



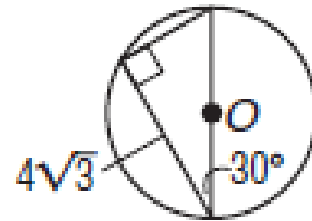
5. x



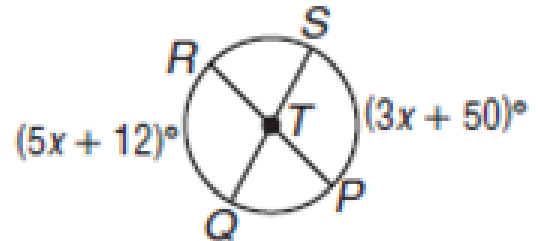
6. **FLYING** When flying at an altitude of 5 miles, the lines of sight to the horizon looking north and south make about a 173.7° angle. How much of the longitude line directly under the plane is visible from 5 miles high?



7. **MULTIPLE CHOICE** Find the circumference of $\odot O$ to the nearest hundredth.
 A. 4.00 in. C. 12.57 in.
 B. 8.00 in. D. 25.13 in.



8. Circle T has diameters \overline{QS} and \overline{PR} . Find $m\widehat{RS}$.



9. Use the diagram at right to find the following measures.

- Find $m\angle ABD$.
- Find $m\angle AFB$.
- Find $m\angle CGD$.

