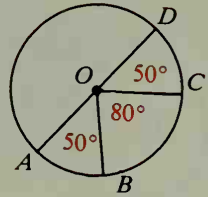


Classroom Exercises

1. Using the letters shown in the diagram, name:
 a. two central angles b. a semicircle
 c. two minor arcs d. two major arcs

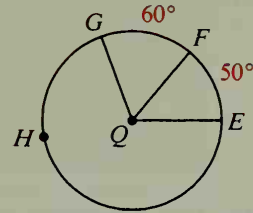


In Exercises 2–7 find the measure of the arc.

2. \widehat{AB} 3. \widehat{AC} 4. \widehat{ABD}
 5. \widehat{BAD} 6. \widehat{CDA} 7. \widehat{CDB}

In Exercises 8–13 find the measure of the angle or the arc named.

8. $\angle GQF$ 9. $\angle EQF$ 10. $\angle GQE$
 11. \widehat{GE} 12. \widehat{GHE} 13. \widehat{EHF}



Written Exercises

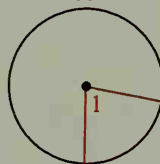
Find the measure of central $\angle 1$.

A

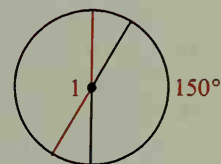
1. 85°



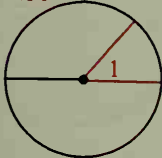
2. 280°



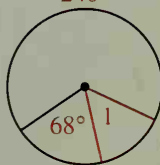
- 3.



4. 130°



5. 240°



6. 35°



7. At 11 o'clock the hands of a clock form an angle of $\underline{\quad? \quad}^\circ$.
 8. The hands of a clock form a 120° angle at $\underline{\quad? \quad}$ o'clock and at $\underline{\quad? \quad}$ o'clock.
 9. a. Draw a circle. Place points A , B , and C on it in such positions that $m\widehat{AB} + m\widehat{BC}$ does not equal $m\widehat{AC}$.
 b. Does your example in part (a) contradict Postulate 16?