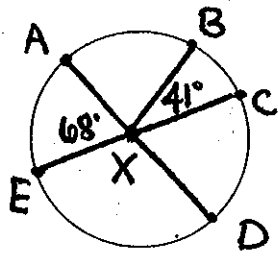


\overline{AD} and \overline{CE} are diameters of $\odot X$. Find the measure of each indicated arc.



1. $m\widehat{CD} =$

2. $m\widehat{AB} =$

3. $m\widehat{ECD} =$

4. $m\widehat{AC} =$

5. $m\widehat{CDB} =$

6. $m\widehat{DE} =$

7. $m\widehat{ACB} =$

8. $m\widehat{BAD} =$

9. $m\widehat{ACD} =$

10. $m\widehat{CED} =$

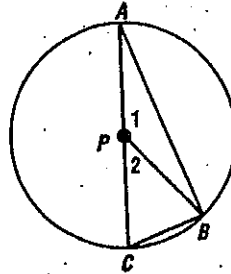
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Practice Worksheet

Angles and Arcs

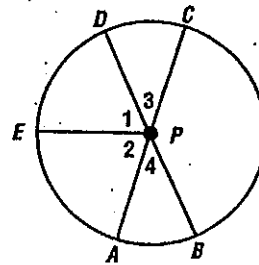
In $\odot P$, $m\angle 1 = 140$ and \overline{AC} is a diameter. Find each measure.

1. $m\angle 2$
2. $m\widehat{BC}$
3. $m\widehat{AB}$
4. $m\widehat{ABC}$



In $\odot P$, $m\angle 2 = m\angle 1$, $m\angle 2 = 4x + 35$, $m\angle 1 = 9x + 5$, and \overline{BD} and \overline{AC} are diameters. Find each value or measure.

- | | |
|---------------------|----------------------|
| 5. x | 11. $m\widehat{EB}$ |
| 6. $m\widehat{AE}$ | 12. $m\angle CPB$ |
| 7. $m\widehat{ED}$ | 13. $m\widehat{CB}$ |
| 8. $m\angle 3$ | 14. $m\widehat{CEB}$ |
| 9. $m\widehat{AB}$ | 15. $m\widehat{DC}$ |
| 10. $m\widehat{EC}$ | 16. $m\widehat{CEA}$ |



17. Sketch three concentric circles and a fourth circle that intersects each of the other three, with the total number of intersection points being four.