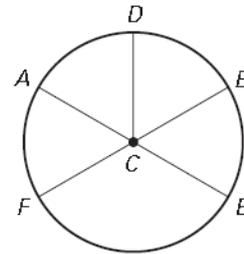


Extra Practice Circles

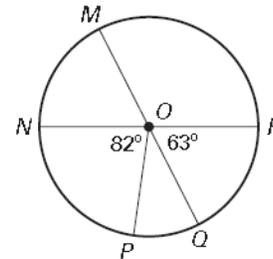
Determine whether the arc is a *minor arc*, a *major arc*, or a *semicircle* of $\odot C$.

- | | |
|--------------------|--------------------|
| 1. \widehat{AE} | 2. \widehat{ADB} |
| 3. \widehat{FDE} | 4. \widehat{DFB} |
| 5. \widehat{FA} | 6. \widehat{BE} |
| 7. \widehat{BDA} | 8. \widehat{FB} |



\overline{MQ} and \overline{NR} are diameters. Find the indicated measure.

- | | |
|----------------------|----------------------|
| 9. $m\widehat{MN}$ | 10. $m\widehat{NQ}$ |
| 11. $m\widehat{NQR}$ | 12. $m\widehat{MRP}$ |
| 13. $m\widehat{QR}$ | 14. $m\widehat{MR}$ |
| 15. $m\widehat{QMR}$ | 16. $m\widehat{PQ}$ |
| 17. $m\widehat{PRN}$ | 18. $m\widehat{MQN}$ |

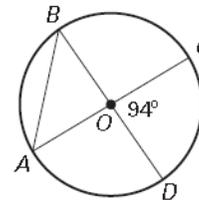
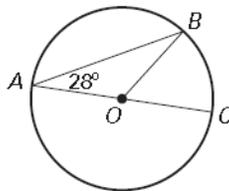
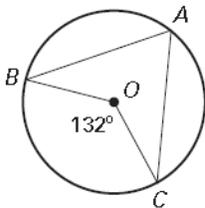


Find the measure of the indicated arc or angle in $\odot O$.

1. $m\angle BAC = \underline{\quad? \quad}$

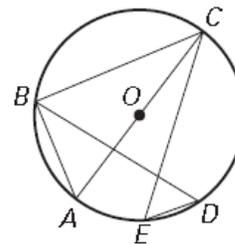
2. $m\widehat{BC} = \underline{\quad? \quad}$

3. $m\angle BAC = \underline{\quad? \quad}$



Find the measure of the arc or angle in $\odot O$, given $m\widehat{CD} = 108^\circ$ and $m\widehat{BE} = 100^\circ$.

- | | |
|---------------------|----------------------|
| 4. $m\angle ABC$ | 5. $m\angle CED$ |
| 6. $m\angle BDE$ | 7. $m\angle CBD$ |
| 8. $m\angle ABD$ | 9. $m\angle BCE$ |
| 10. $m\widehat{AD}$ | 11. $m\widehat{ABC}$ |



Find the value of x .

