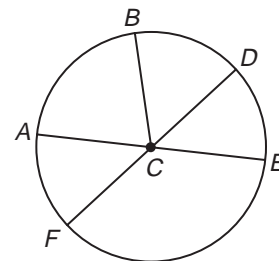


Skills Practice

Arcs and Central Angles

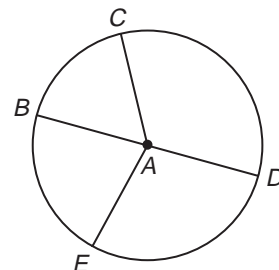
Find each measure in $\odot C$ if $m\angle ACB = 80$, $m\widehat{AF} = 45$, and \overline{AE} and \overline{FD} are diameters.

- | | |
|----------------------|----------------------|
| 1. $m\angle ACF$ | 2. $m\widehat{AB}$ |
| 3. $m\angle FCE$ | 4. $m\widehat{EF}$ |
| 5. $m\widehat{ABE}$ | 6. $m\angle BCE$ |
| 7. $m\widehat{AFE}$ | 8. $m\angle DCE$ |
| 9. $m\widehat{DE}$ | 10. $m\angle BCD$ |
| 11. $m\widehat{BAE}$ | 12. $m\widehat{ABF}$ |



In $\odot A$, \overline{BD} is a diameter, $m\angle BAE = 85$, and $m\angle CAD = 120$. Determine whether each statement is true or false.

13. $m\angle BAC = 60$
14. $m\widehat{CD} = m\angle CAD$
15. $\angle ABE$ is a central angle.
16. $m\angle BAC = m\angle DAE$
17. $m\widehat{CED} = 220$
18. $m\widehat{BCD} = 180$
19. $m\widehat{CE} = 145$
20. $m\angle DAE = m\widehat{DE}$



Q is the center of two circles with radii \overline{QD} and \overline{QE} . If $m\angle AQE = 90$ and $m\widehat{RE} = 115$, find each measure.

- | | |
|----------------------|----------------------|
| 21. $m\widehat{AE}$ | 22. $m\angle RQE$ |
| 23. $m\widehat{AR}$ | 24. $m\angle RQA$ |
| 25. $m\widehat{AER}$ | 26. $m\widehat{BSD}$ |
| 27. $m\widehat{DS}$ | 28. $m\widehat{BD}$ |

