Lesson 10.2

Practice Level C

1. minor arc; 73° **2.** minor arc; 107°

3. semicircle; 180° **4.** major arc; 206°

5. minor arc; 81° **6.** semicircle; 180°

7. minor arc; 73° **8.** minor arc; 107°

9. major arc; 287° **10.** minor arc; 26°

11. major arc; 279° **12.** major arc; 287°

13. 154° **14.** 217° **15.** 120° **16.** 33 **17.** 2

18. 16 **19.** 44° **20.** 44° **21**. 224° **22.** 180°

23. 133° **24.** 133° **25.** 227° **26.** 313°

27. yes; The circles pass through each other's center, so they have ≅ radii and the circles are therefore ≅. Arcs with equal measure in ≅ circles are ≅.

28. no; One circle is smaller than the other, so the arcs cannot be ≅.

29. yes; Both arcs measure 63°.

30. yes; Because $m\overset{\frown}{AC} = m\overset{\frown}{BD}$, you can use the Addition Prop. of Equality to deduce that $\overset{\frown}{AB} \cong \overset{\frown}{CD}$.

31. 32.7° **32.** 327.3° **33.** 111.3° **34.** 196.4°

35. 1.8 seconds