Name: _____   Date: _____
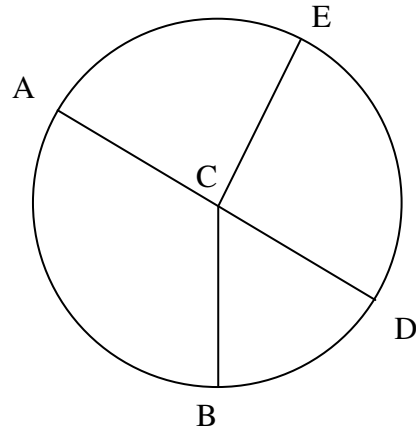Geometry   Period _____

More Practice with Arcs – Degree Measure and Arc Length

Use the circle at right to answer the following questions. Assume C is the center of the circle and $\overline{AD}$ is a diameter.

Find the degree measure of each arc, if m∠ACE = 85° and m∠BCD = 70°.

1. $m\overset{\frown}{AE}$ 5. $m\overset{\frown}{BAE}$

2. $m\overset{\frown}{ED}$ 6. $m\overset{\frown}{AED}$

3. $m\overset{\frown}{DB}$ 7. $m\overset{\frown}{EDB}$

4. $m\overset{\frown}{BA}$ 8. $m\overset{\frown}{BAE}$

Find the length of each arc, if the diameter of the circle is 12 inches. Round your answer to the nearest tenth of an inch. Complete any work on lined paper.

9. $\overset{\frown}{AE}$ 11. $\overset{\frown}{BA}$ 13. $\overset{\frown}{ABD}$

10. $\overset{\frown}{ED}$ 12. $\overset{\frown}{AED}$ 14. $\overset{\frown}{ADE}$