Lesson 10.1 Practice: Circles, Arcs and Central Angles

School Launch · Geometry · Unit 10: Circles · Worksheet A

Calculator allowed

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Central angle $\angle AOB$ measures $133°$. Find minor arc AB and the major arc ACB. EASY

2. Central angle $\angle AOB$ measures $139°$. Find minor arc AB and the major arc ACB. EASY

3. Central angle $\angle AOB$ measures $93°$. Find minor arc AB and the major arc ACB. EASY

4. Adjacent central angles measure $55°$ and $24°$. Find the measure of the arc they form together and the remaining arc of the circle. MEDIUM

5. Adjacent central angles measure $69°$ and $67°$. Find the measure of the arc they form together and the remaining arc of the circle. MEDIUM

6. Adjacent central angles measure $23°$ and $51°$. Find the measure of the arc they form together and the remaining arc of the circle. MEDIUM

7. Adjacent central angles measure $41°$ and $131°$. Find the measure of the arc they form together and the remaining arc of the circle. MEDIUM

8. Adjacent central angles measure $112°$ and $40°$. Find the measure of the arc they form together and the remaining arc of the circle. HARD

9. Adjacent central angles measure $43°$ and $35°$. Find the measure of the arc they form together and the remaining arc of the circle. HARD

10. Adjacent central angles measure $46°$ and $29°$. Find the measure of the arc they form together and the remaining arc of the circle. HARD