

Name _____

Date _____

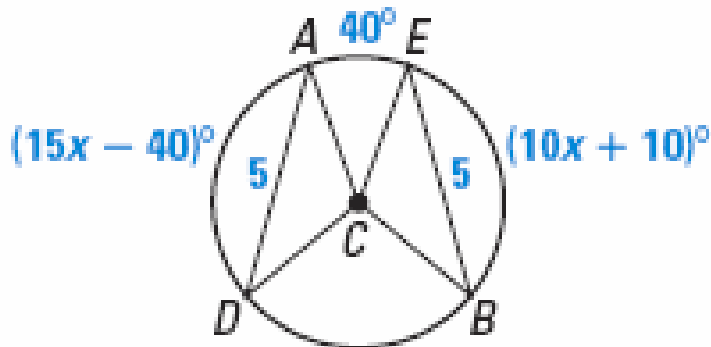
Open-ended Task: Geometry Chapter 11

Directions:

To receive full credit you must do the following:

1. Show OR describe each step of your work, even if you did it in your head (“mental math”) or used a calculator,
AND
2. Write an explanation stating the mathematical reason(s) why you chose each of your steps.

Question: Use the diagram below.



A. Explain why arc $AD \cong$ to arc BE

B. Find the value of x .

C. Find the measure of arc AD and arc BE.

D. Find the measure of arc BD.