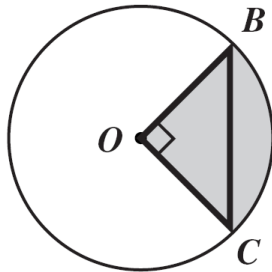


**Properties of Quadrilaterals, Parallelograms,
Polygons, and Circles MCAS Worksheet 1**

Name _____

- 1** The radius of circle O shown below is 8 units. The area of the shaded region is $\frac{1}{4}$ the area of the circle.

Mark your answer here: 1. (A)(B)(C)(D)



What is the length of chord \overline{BC} ?

- A. $4\sqrt{2}$ units
- B. 8 units
- C. $8\sqrt{2}$ units
- D. $8\sqrt{3}$ units



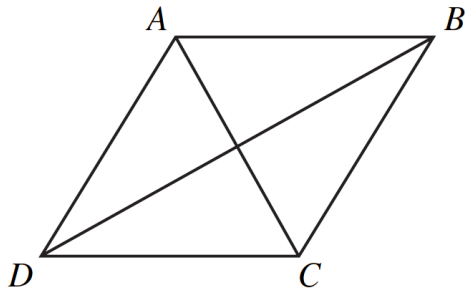
**Properties of Quadrilaterals, Parallelograms,
Polygons, and Circles MCAS Worksheet 1**

Name _____

2

Which of the following **must** be true for the rhombus shown below?

Mark your answer here: 2. Ⓐ Ⓑ Ⓒ Ⓓ



- A. $m\angle DAB = m\angle ABC$
- B. $m\angle DAB + m\angle ABC = 90^\circ$
- C. $m\angle DAC + m\angle BAC = 90^\circ$
- D. $m\angle DAC = m\angle BAC$



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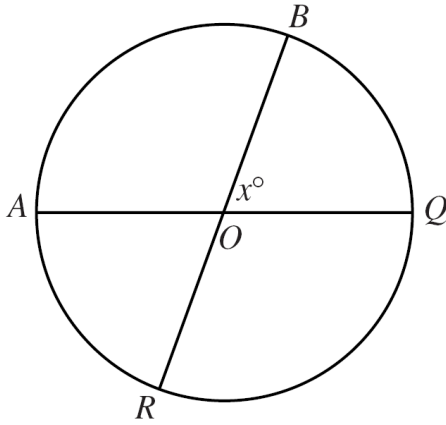
All test items have been released to the public by the Massachusetts Department of Elementary and Secondary Education.

**Properties of Quadrilaterals, Parallelograms,
Polygons, and Circles MCAS Worksheet 1**

Name _____

- 3** \overline{AQ} and \overline{BR} are diameters of circle O , and the measure of minor \widehat{AB} is 110° .

Mark your answer here: 3. (A)(B)(C)(D)



What is the value of x ?

- A. 20
- B. 35
- C. 70
- D. 110

