DELAWARE GEOMETRY · UNIT 2 · 5 QUESTIONS

Circles and Coordinate Geometry — Practice Test

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1

Antique brass orrery, a model of the solar system with planets around a central sun. A circle has radius 6 and a central angle of 90°. The arc length is



A 6π

B 4π

C 3π

D 1.5π

Understand It with Pulse

Flag a mistake

2 **A circle has center (-1, 0) and radius 5. Its equation is**

- **A** $x^2 + y^2 = 25$
- **B** $(x + 1)^2 + y^2 = 5$
- **C** $x^2 + y^2 = 5$
- **D** $(x + 1)^2 + y^2 = 25$

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3 **The midpoint of the segment joining (-4, 2) and (2, 0) is**

- **A** (-1, 1)
- **B** (-2, 2)
- **C** (-1, 2)
- **D** (-4, 1)

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4 **An angle measures 62°. Its complement measures**

A 152°

B 28°

C 118°

D 62°

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5 **An angle measures 88°. Its supplement measures**

A 2°

B 88°

C 92°

D 268°

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ANSWER KEY

1. C
2. D
3. A
4. B
5. C

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