DELAWARE PRECALCULUS · UNIT 3 · 5 QUESTIONS

Analytic Geometry and Conics — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The vertex of $y = (x - 1)^2 + -2$ is**

- A (-1, -2)
- B (1, 2)
- C (0, 0)
- D (1, -2)

Understand It with Pulse | Flag a mistake

2 **A circle has radius 7. Its circumference is**

- **A** 7π
- **B** 14π
- **C** 49π
- **D** 9π

Understand It with Pulse | Flag a mistake

3 **A circle has center (-3, -2) and radius 5. Its equation is**

- **A** $x^2 + y^2 = 25$
- **B** $(x + 3)^2 + (y + 2)^2 = 5$
- **C** $x^2 + y^2 = 5$
- **D** $(x + 3)^2 + (y + 2)^2 = 25$

Understand It with Pulse | Flag a mistake

4 **A roller coaster climbs a tall hill shaped like a parabola. The vertex of $y = (x - -3)^2 + -1$ is**



A (-3, -1)

B (3, -1)

C (-3, 1)

D (0, 0)

Understand It with Pulse | Flag a mistake

5 **A circle has radius 6. Its area is**

A 12π

B 36π

C 6π

D 72π

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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