ARKANSAS 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 center of $x^2 + y^2 = 36$ is**



A (0, 0)

B (6, 0)

C (0, 6)

D (6, 6)

Understand It with Pulse | Flag a mistake

2 **The radius of $x^2 + y^2 = 36$ is**

A 36

B 6

C 12

D 18

Understand It with Pulse | Flag a mistake

3 **The vertex of $y = x^2 + 4x + 3$ is**

A (-2, 1)

B (2, -1)

C (-2, -1)

D (2, 1)

Understand It with Pulse | Flag a mistake

**4** **The parabola $y = -2x^2 + 3$ opens**

- A Upward
- B Left
- C Right
- D Downward

Understand It with Pulse | Flag a mistake

**5** **For $\frac{x^2}{16} + \frac{y^2}{49} = 1$, the major axis is**

- A Vertical
- B Horizontal
- C Diagonal
- D None

Understand It with Pulse | Flag a mistake

## ANSWER KEY

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

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