ARIZONA 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 $(x + 4)^2 + (y - 3)^2 = 16$ is**



A (4, -3)

B (-4, -3)

C (-4, 3)

D (4, 3)

Understand It with Pulse | Flag a mistake

2 **The radius of $(x + 4)^2 + (y - 3)^2 = 16$ is**

A 16

B 4

C 2

D 8

Understand It with Pulse | Flag a mistake

3 **For $y^2 = 8x$, the focus is**

A (-2, 0)

B (2, 0)

C (0, -2)

D (0, 2)

Understand It with Pulse | Flag a mistake

4 For $y^2 = 8x$, the directrix is

- **A** $y = 2$
- **B** $y = -2$
- **C** $x = 2$
- **D** $x = -2$

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5 For $\frac{x^2}{36} + \frac{y^2}{20} = 1$, the value of c is

- **A** 5
- **B** 16
- **C** 4
- **D** 6

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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