ARKANSAS PRECALCULUS · UNIT 1 · 5 QUESTIONS

Functions and Transformations — 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 **If $f(x) = x^2 - 4x + 3$, then $f(1)$ is**

- A 0
- B 1
- C 2
- D -1

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2 **If g(x) = 2x + 9, then g(-3) is**

- **A** 15
- **B** 3
- **C** -3
- **D** 6

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3 **The domain of $f(x) = \sqrt{x + 5}$ is**

- **A** $x > 5$
- **B** $x < -5$
- **C** $x \geq -5$
- **D** $x \leq -5$

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4 **The range of $f(x) = -x^2 + 2$ is**

- **A** $y \geq 2$
- **B** $y > 0$
- **C** $y < 2$
- **D** $y \leq 2$

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5 **The inverse of $f(x) = x - 7$ is**

- **A** $f^{-1}(x) = x + 7$
- **B** $f^{-1}(x) = x - 7$
- **C** $f^{-1}(x) = -x + 7$
- **D** $f^{-1}(x) = 7x$

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ANSWER KEY

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

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