ALASKA ALGEBRA II · UNIT 1 · 5 QUESTIONS

Functions and Graphs — 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) = 2x + 7, then f(-3) is**

- A 1
- B -13
- C 13
- D -1

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2 **The domain of $f(x) = \sqrt{x + 4}$ is**

- A $x > -4$
- B $x \geq -4$
- C $x \leq -4$
- D all real numbers

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

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

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4 **The vertex of $y = -(x - 5)^2 + 4$ is**

- **A** (-5, -4)
- **B** (-5, 4)
- **C** (5, -4)
- **D** (5, 4)

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5 **Given f(x) = x - 2 and g(x) = 3x + 1, the value of (f ° g)(-1) is**

A -4

B 0

C 4

D -2

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ANSWER KEY

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

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