ALASKA 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 $f(x) = x^2 + 4x - 1$, then $f(-2)$ is**

- A -5
- B 11
- C 3
- D -11

Understand It with Pulse | Flag a mistake

2 **If g(x) = 4x + 7, then g(-1) is**

A 11

B 3

C -3

D 7

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3 **If f(x) = x + 6 and g(x) = 2x - 1, then g(f(2)) is**

A 8

B 17

C 15

D 13

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4 The domain of $f(x) = \sqrt{3 - x}$ is

- **A** $x \geq 3$
- **B** $x > 3$
- **C** $x < 3$
- **D** $x \leq 3$

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5 The range of $f(x) = -x^2 + 5$ is

- **A** $y \leq 5$
- **B** $y \geq 5$
- **C** $y < 5$
- **D** $y \geq 0$

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ANSWER KEY

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

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