ILLINOIS ALGEBRA 2 · 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) = 4x - 5, then f(-1) is

- A 1
- B -9
- C 9
- D -1

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2 The domain of $f(x) = \frac{1}{2x - 6}$ is

- A $x \neq -3$
- B $x \neq 3$
- C all real numbers
- D $x \neq 6$

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

- A $y \geq -3$
- B $y > 3$
- C $y \geq 3$
- D $y \leq 3$

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4 **The vertex of $y = -(x + 2)^2 + 1$ is**

- A (2, -1)
- B (2, 1)
- C (-2, 1)
- D (-2, -1)

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5 **Given f(x) = x - 4 and g(x) = 3x, the value of (f ° g)(2) is**

A 2

B 10

C -2

D 6

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ANSWER KEY

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

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