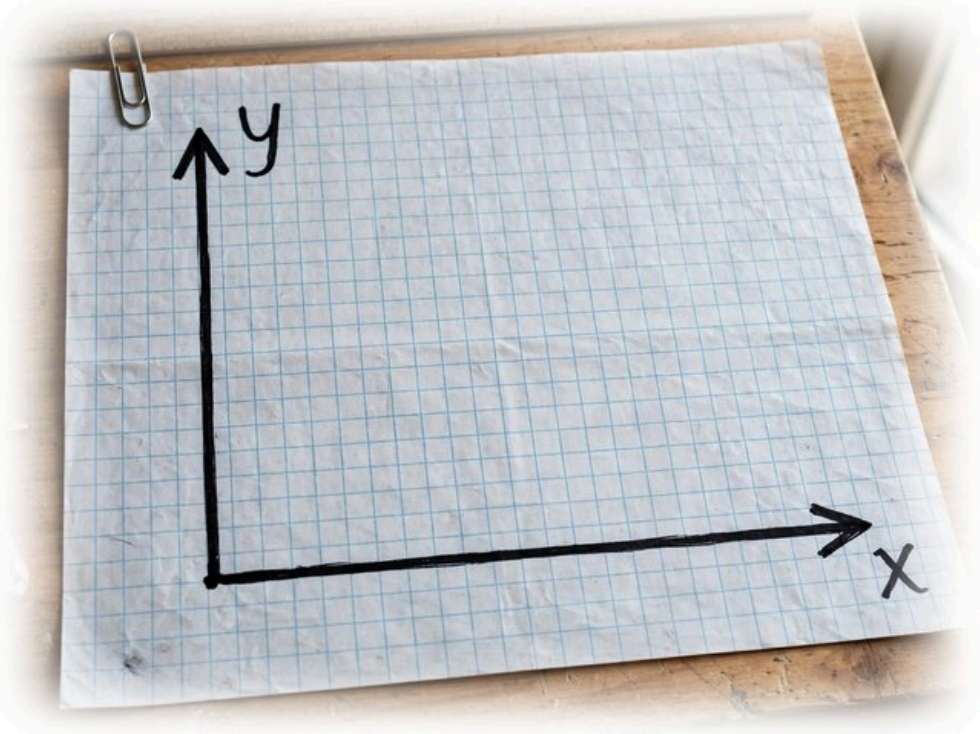
KENTUCKY ALGEBRA 2 · UNIT 1 · 5 QUESTIONS

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 **A coordinate grid shows x and y axes. 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 $(f \circ g)(2)$ 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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