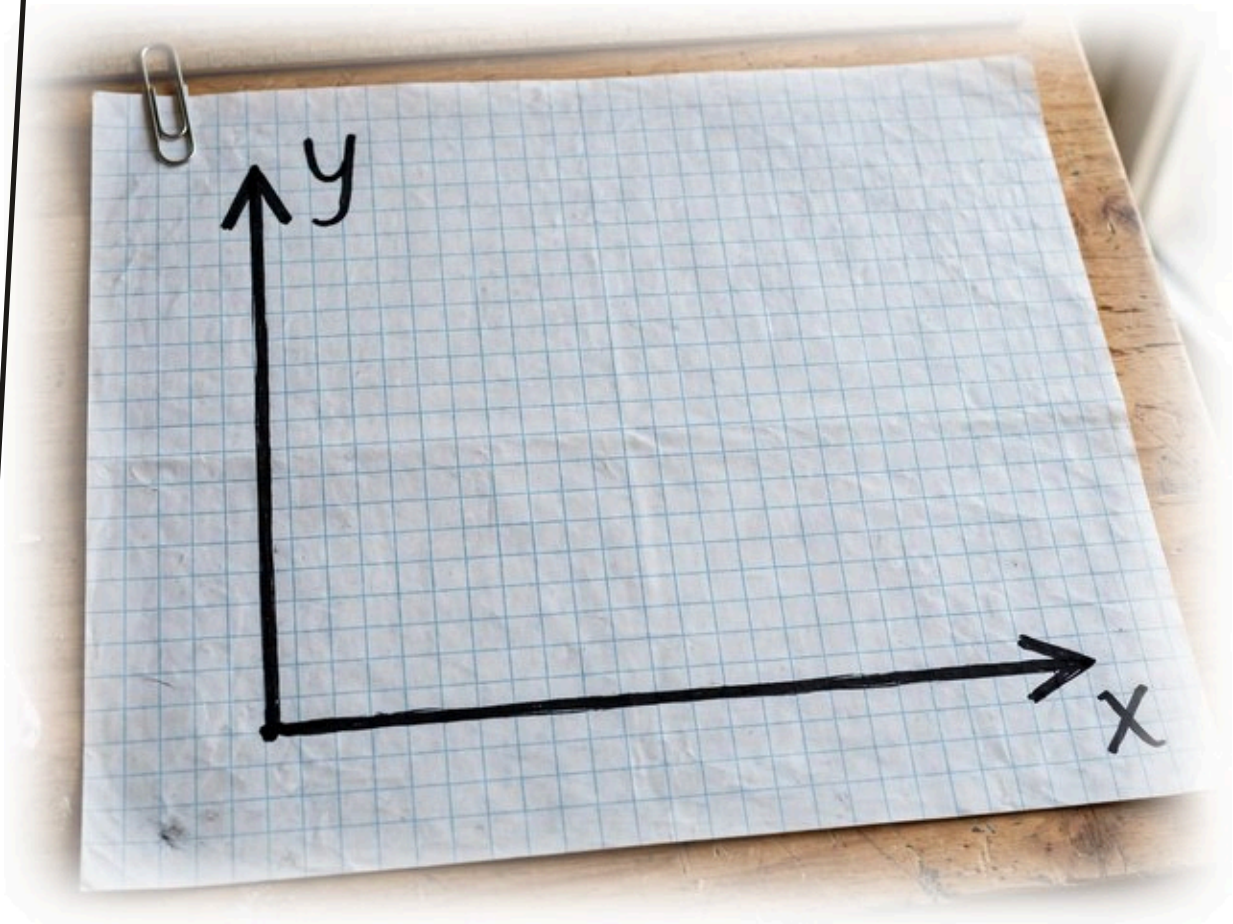
ARKANSAS ALGEBRA II · UNIT 1 · 5 QUESTIONS

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 **A coordinate grid shows x and y axes. If f(x) = 3x + 8, then f(-2) is**



A 2

B -14

C 14

D -2

Understand It with Pulse | Flag a mistake

2 **If $g(x) = x^2 + 4x - 5$, then $g(2)$ is**

A 3

B 7

C 17

D -1

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3 **The domain of $f(x) = \sqrt{4x + 8}$ is**

A all real numbers

B $x > -2$

C $x \geq -2$

D $x < -2$

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4 The domain of $f(x) = \frac{1}{x - 9}$ is

- **A** all real numbers
- **B** $x \neq -9$
- **C** $x \geq 9$
- **D** $x \neq 9$

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

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

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ANSWER KEY

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

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