SOUTH DAKOTA 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

Understand It with Pulse | Flag a mistake

2 **The domain of f(x) = 1/2x - 6 is**

- A x ≠ -3
- B x ≠ 3
- C all real numbers
- D x ≠ 6

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.