ARIZONA 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) = 5x - 8, then f(3) is**

- A 7
- B -7
- C 23
- D 15

Understand It with Pulse | Flag a mistake

2 If $h(x) = x^2 + 2x$, then $h(-1)$ is

- A 3
- B -1
- C -3
- D 1

Understand It with Pulse | Flag a mistake

3 The domain of $f(x) = \sqrt{x + 7}$ is

- A $x \leq -7$
- B $x > -7$
- C $x \geq 7$
- D $x \geq -7$

Understand It with Pulse | Flag a mistake

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

- **A** all real numbers
- **B** $x \neq 4$
- **C** $x \neq -4$
- **D** $x \geq -4$

Understand It with Pulse | Flag a mistake

5 The range of $f(x) = -x^2 + 6$ is

- **A** $y \leq 6$
- **B** $y \leq 0$
- **C** $y \geq 6$
- **D** $y \geq 0$

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.