NEWFOUNDLAND AND LABRADOR MATHEMATICS 3200 · UNIT B · 10 QUESTIONS

Function Operations — 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 **The domain of f(x) = 1/x + 5 is all real numbers except**

- A x = 5
- B x = -5
- C x = 0
- D x = 1

Understand It with Pulse | Flag a mistake

2 **The inverse of f(x) = 4x - 8 is**

- A x - 8/4
- B 4x + 8
- C x + 8/4
- D $\frac{x}{4}$

Understand It with Pulse | Flag a mistake

3 If $f(2) = 9$ and $g(2) = 3$, then $(\frac{f}{g})(2)$ is

ANSWER

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4 The domain of $f(x) = \sqrt{x - 4}$ is

A $x \geq 4$

B $x > 4$

C $x \geq -4$

D $x \leq 4$

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5 **The domain of f(x) = 1/x - 2 is all real numbers except**

- **A** x = -2
- **B** x = 0
- **C** x = 2
- **D** x = 1

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6 **The inverse of f(x) = 5x + 10 is**

- **A** x + 10/5
- **B** 5x + 10
- **C** $\frac{x}{5}$
- **D** x - 10/5

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7 **If f(2) = 2 and g(2) = 8 , then (f + g)(2) is**

ANSWER

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8 **The domain of $f(x) = \sqrt{x - 9}$ is**

A $x > 9$

B $x \geq 9$

C $x \geq -9$

D $x \leq 9$

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9 **The domain of f(x) = 1/x - 7 is all real numbers except**

- **A** x = -7
- **B** x = 0
- **C** x = 1
- **D** x = 7

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10 **The inverse of f(x) = 2x - 4 is**

- **A** x + 4/2
- **B** x - 4/2
- **C** 2x + 4
- **D** $\frac{x}{2}$

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. 3
4. A
5. C
6. D
7. 10
8. B
9. D
10. A

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