PRINCE EDWARD ISLAND PRE-CALCULUS 12 · UNIT B

Function Operations — Practice Test

Prince Edward Island Pre-Calculus 12 • 10 questions

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 **For f(x) = 2x + 2 and g(x) = 1x , the value of f + g at x = 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **For f(x) = 4x + 2 , the inverse function value at 14 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The inverse of a function reverses the**

A range only

B graph shape only

C input and output

D domain only

Understand It with Pulse | Flag a mistake

4 **The product f times g at x equals**

A $f(x) \times g(x)$

B $f(g(x))$

C $f(x) + g(x)$

D $f(x) / g(x)$

Understand It with Pulse | Flag a mistake

5 **The quotient $\frac{f}{g}$ is undefined where**

- A f(x) = 0
- B x = 0
- C f = g
- D g(x) = 0

Understand It with Pulse | Flag a mistake

6 **To find an inverse algebraically, first**

- A swap x and y then solve for y
- B square both sides
- C differentiate
- D set y to zero

Understand It with Pulse | Flag a mistake

7 **For f(x) = 5x + 2 and g(x) = -2x , the value of f + g at x = 2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **For f(x) = 3x + 1 , the inverse function value at 13 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **For f(x) = 1x + 2 and g(x) = 4x , the value of f + g at x = 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **For f(x) = 2x - 4 , the inverse function value at 6 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	17	**5.**	D	**9.**	17
2.	3	**6.**	A	**10.**	5
3.	C	**7.**	8		
4.	A	**8.**	4		

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