SASKATCHEWAN PRE-CALCULUS 30 · UNIT B

Function Transformations, Operations, Compositions and Inverses — Practice Test

Saskatchewan Pre-Calculus 30 • 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 **The graph of $y = (x - 4)^2$ is the graph of $y = x^2$ shifted**

- A 4 units left
- B 4 units up
- C 4 units right
- D 4 units down

Understand It with Pulse | Flag a mistake

2 **If $f(x) = x + 1$ and $g(x) = 3x$, then $g(f(5))$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **If f(x) = x + 4 and g(x) = 5x, then g(f(3)) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **If f(x) = 2x + 4 and g(x) = x + 5, then (f + g)(3) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **If f(x) = 2x + 2 and g(x) = x + 5, then (f + g)(4) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **If f(x) = x^2 + 2 and g(x) = 1x , then f(g(6)) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The inverse of f(x) = x + 7 is**

- **A** x + 7
- **B** -x + 7
- **C** 7x
- **D** x - 7

Understand It with Pulse | Flag a mistake

8 **If f(x) = 2x + 3 and g(x) = x + 4, then (f + g)(5) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **If f(x) = x^2 + 3 and g(x) = 5x , then f(g(6)) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **If f(x) = x + 1 and g(x) = 2x, then g(f(2)) is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	C	**5.**	19	**9.**	903
2.	18	**6.**	38	**10.**	6
3.	35	**7.**	D		
4.	18	**8.**	22		

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