NUNAVUT MATH 30-1 · 5 QUESTIONS

Exponential & Logarithmic Functions — 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 **Small log cabins covered in snow stand in a bare winter forest. The value of $\log_3 27 - \log_3 3$ is**



A 1

B 2

C 3

D 9

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2 The exponential form of the equation $\log_7 x = 3$ is

- **A** $x = 343$
- **B** $x = 21$
- **C** $x = \underline{7}$
- **D** $x = 3^7$

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3 The solution to the equation $(\frac{1}{2})^x = 16$ is

- **A** 4
- **B** -3
- **C** -4
- **D** $\underline{1}$

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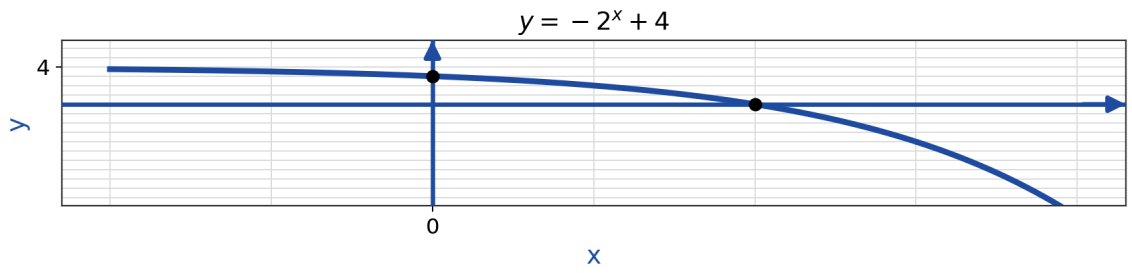
4 **The graph below shows an exponential function. The range of the function is**



A y > 4

B y < 0

C y ≥ 4

D y < 4

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5 **If $\log_4(x + 3) = 3$, then the value of x is _____**

ANSWER _____

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ANSWER KEY

1. B
2. A
3. C
4. D
5. 61

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