NEWFOUNDLAND AND LABRADOR MATHEMATICS 3201 · UNIT E · 5 QUESTIONS

Exponential, Logarithmic and Trigonometric 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 **Cliff face showing clear horizontal layers of sedimentary rock. The horizontal asymptote of $y = 3^x$ is**



A. $y = 0$

B. $y = 3$

C. $y = 1$

D. $x = 0$

Understand It with Pulse | Flag a mistake

2 **In the interval $0° \leq x \leq 360°$, the solutions of $\sin x = 1$ are**

A 0 degrees

B 90 degrees

C 180 degrees

D 270 degrees

Understand It with Pulse | Flag a mistake

3 **$2^x = 64$. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A quantity grows from 50 to 150 . The growth factor is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **If $\sin \theta = 0.5$ and θ is acute, then θ is, in degrees**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. B
3. 6
4. 3
5. 30

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