SASKATCHEWAN PRE-CALCULUS 30 · UNIT C

Logarithms — Practice Test

Saskatchewan Pre-Calculus 30 • 25 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 **Evaluate log base 2 of 16.**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Solve : log base 5 of x = 3 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Solve : $3^x = 9$. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The value of log base 10 of 1 is**

A 1

B 0

C 10

D -1

Understand It with Pulse | Flag a mistake

5 **Using logarithm laws, log 25 minus log 5 equals**

A log 5

B log 125

C log 30

D log 20

Understand It with Pulse | Flag a mistake

6 **Using logarithm laws, log 3 plus log 4 equals**

A log 7

B log -1

C log 81

D log 12

Understand It with Pulse | Flag a mistake

7 **Evaluate log base 3 of 81.**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Solve : log base 2 of x = 3 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Solve : $10^x = 100000$. The value of x is**

ANSWER

Understand It with Pulse | Flag a mistake

10 **Evaluate log base 10 of 1.**

ANSWER

Understand It with Pulse | Flag a mistake

11 **Solve : log base 3 of x = 2 . The value of x is**

ANSWER

Understand It with Pulse | Flag a mistake

12 **Solve : $3^x = 729$. The value of x is**

ANSWER

Understand It with Pulse | Flag a mistake

13 **Evaluate log base 5 of 1.**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **Solve : log base 3 of x = 4 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **Solve : $10^x = 1000$. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **Evaluate log base 10 of 10000.**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Solve : log base 5 of x = 4 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **Solve : $10^x = 10000$. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **Evaluate log base 2 of 4.**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **Solve : log base 2 of x = 2 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **Evaluate log base 2 of 8.**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **Solve : log base 3 of x = 3 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **Evaluate log base 4 of 16.**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **Solve : log base 5 of x = 5 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25

Evaluate log base 4 of 1024.

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	4	**10.**	0	**19.**	2
2.	125	**11.**	9	**20.**	4
3.	2	**12.**	6	**21.**	3
4.	B	**13.**	0	**22.**	27
5.	A	**14.**	81	**23.**	2
6.	D	**15.**	3	**24.**	3125
7.	4	**16.**	4	**25.**	5
8.	8	**17.**	625		
9.	5	**18.**	4		

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