CONNECTICUT PRECALCULUS · UNIT 4 · 25 QUESTIONS

Limits, Sequences, and Series — 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 **As x approaches 4 , the value of 2x + 3 approaches**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **As x approaches 5 , the value of 3x -1 approaches**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **As x approaches 3 , the value of -2x + 7 approaches**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **As x approaches 6 , the value of 4x + 1 approaches**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **As x approaches 2 , the value of 5x -3 approaches**

ANSWER

Understand It with Pulse | Flag a mistake

6 **As x approaches 3 , the value of $x^2 + 2$ approaches**

ANSWER

Understand It with Pulse | Flag a mistake

7 **As x approaches 2 , the value of $x^2 + 3$ approaches**

ANSWER

Understand It with Pulse | Flag a mistake

8 **As x approaches 5 , the value of $x^2 + 1$ approaches**

ANSWER

Understand It with Pulse | Flag a mistake

9 **As x approaches 2 , the value of $x^2 + 4$ approaches**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **As x approaches 4 , the value of $x^2 + 2$ approaches**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **An arithmetic sequence starts at 2 with common difference 3. Its 5th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **An arithmetic sequence starts at 5 with common difference 2. Its 4th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **An arithmetic sequence starts at 1 with common difference 4. Its 6th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **An arithmetic sequence starts at 3 with common difference 3. Its 5th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **An arithmetic sequence starts at 10 with common difference -2. Its 4th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A geometric sequence starts at 2 with common ratio 2. Its 4th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A geometric sequence starts at 3 with common ratio 2. Its 3th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A geometric sequence starts at 1 with common ratio 3. Its 4th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A geometric sequence starts at 5 with common ratio 2. Its 3th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A geometric sequence starts at 2 with common ratio 3. Its 3th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **The sum of the first 5 positive integers, multiplied by 2, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The sum of the first 4 positive integers, multiplied by 3, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The sum of the first 6 positive integers, multiplied by 1, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **The sum of the first 3 positive integers, multiplied by 5, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **The sum of the first 4 positive integers, multiplied by 4, is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	11	**10.**	18	**19.**	20
2.	14	**11.**	14	**20.**	18
3.	1	**12.**	11	**21.**	30
4.	25	**13.**	21	**22.**	30
5.	7	**14.**	15	**23.**	21
6.	11	**15.**	4	**24.**	30
7.	7	**16.**	16	**25.**	40
8.	26	**17.**	12		
9.	8	**18.**	27		

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