DELAWARE PRECALCULUS · UNIT 4 · 10 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 **An arithmetic sequence starts with 1 and has common difference 3. The 6 term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A geometric sequence starts with 2 and has common ratio 2. The 5 term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Find the limit as x approaches -1 of $3x^2 + 3$.**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Find the limit as x approaches 2 of $\frac{x^2 - 4}{x - 2}$.**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An arithmetic sequence starts with 5 and has common difference 3. The 6 term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A geometric sequence starts with 1 and has common ratio 2. The 5 term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Find the sum of the first 4 terms of an arithmetic series with first term 3 and common difference 2.**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **An arithmetic sequence starts with 9 and has common difference 4. The 8 term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A geometric sequence starts with 3 and has common ratio 3. The 5 term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Find the limit as x approaches -3 of $2x^2 + 3$.**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	16	**5.**	20	**9.**	243
2.	32	**6.**	16	**10.**	21
3.	6	**7.**	24		
4.	4	**8.**	37		

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