ALBERTA MATH 20-1 · UNIT 1 · 5 QUESTIONS

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 **The common ratio of the geometric sequence 96, 48, 24, 12, … is**

- **A** 2
- **B** $\frac{1}{2}$
- **C** $-\frac{1}{2}$
- **D** $\frac{1}{4}$

Understand It with Pulse | Flag a mistake

2 **An arithmetic sequence has $t_1 = -6$ and common difference 5. The 12th term of the sequence is**

- A 44
- B 54
- C 49
- D 45

Understand It with Pulse | Flag a mistake

3 **The sum of the first 15 terms of the arithmetic sequence 6, 11, 16, … is ____.**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The sum of the infinite geometric series 18 + 6 + 2 + … is**

A 27

B 24

C 30

D 36

Understand It with Pulse | Flag a mistake

5 **Tall sunflower in full bloom in a sunny garden. A sunflower is 12 cm tall at the start of summer and grows 3 cm each week. Its height, in centimetres, after 9 weeks of growth is**



A 36

B 42

C 33

D 39

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ANSWER KEY

1. B
2. C
3. 615
4. A
5. D

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