NEWFOUNDLAND AND LABRADOR MATHEMATICS 2200 · UNIT D · 5 QUESTIONS

Sequences and Series — Practice Test

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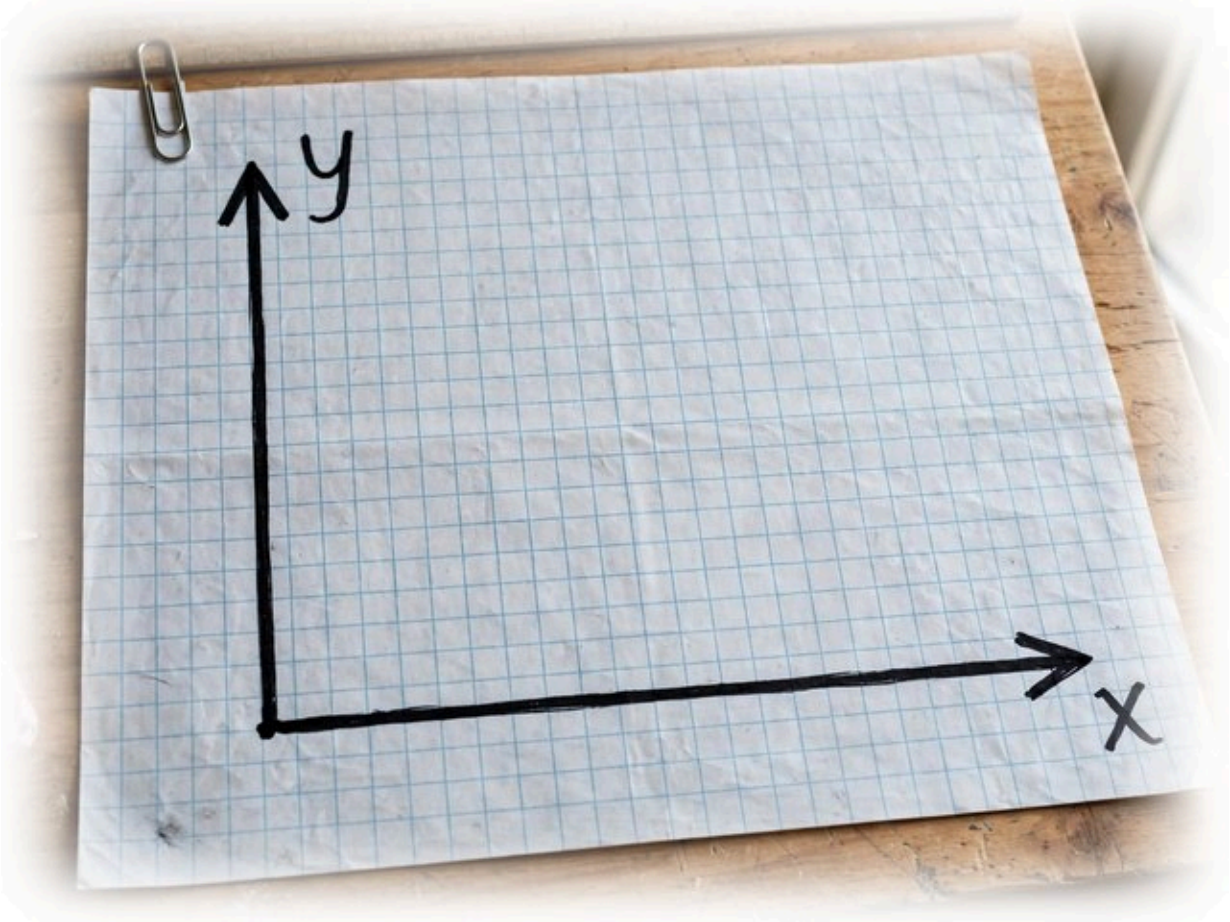
1 **Think about the idea. In a geometric sequence, the ratio between consecutive terms is**



- **A** constant
- **B** increasing
- **C** decreasing
- **D** zero

Understand It with Pulse | Flag a mistake

2 **The sum to infinity of the geometric series with first term 18 and common ratio $\frac{1}{3}$ is**

ANSWER _____

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3 **Apply the idea. The sequence 2, 5, 8, 11 is**

A geometric with common ratio 3

B arithmetic with common difference 2

C arithmetic with common difference 3

D neither

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4 **An arithmetic sequence has first term 20 and second term 14. Its common difference is**

ANSWER _____

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5

Review the idea. The general term of an arithmetic sequence with first term a and common difference d is

A $a + (n - 1) \times d$

B $a \times d^n$

C $a + n \times d$

D $\underline{a}$

Understand It with Pulse

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ANSWER KEY

1. A
2. 27
3. C
4. -6
5. A

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