

4期生数学サブゼミテスト⑤

About 20 min

NOTICE

- 1 The number in this test are all “Real Number” if there is no assignment.
- 2 Hurry up as fast as possible.
- 3 If you have any question, raise your hand quietly and let officer know.
- 4 You can use only mechanical pencil or pencil. You can also use ruler.
- 5 You must answer on “answer sheet” differentiated from “question sheet”. If you answer on “question sheet”, you will get 0 score. Also, you must not write letters shut of the question.
- 6 Write your name on the right space.
- 7 You can also get score from the process of answering.

1. $\{2,6,18,54,\dots\}$ この数列の第1項から第 n 項までの合計を求めなさい。

2. $\sum_{k=1}^n a_k$ の意味を述べよ。

4. $\sum_{k=1}^5 (3k^2 - 6k + 3)$ の値を求めよ。

5. $\sum_{k=1}^n \sum_{i=1}^k 2$ を Σ を使わずに表せ。

6. $\sum_{k=1}^n \sum_{i=1}^k k$ を Σ を使わずに表せ。

7. $\sum_{k=1}^n \sum_{i=1}^k n$ を Σ を使わずに表せ。

8. a_n を S_n で表せ。

9. Define range and domain.