

4期生数学サブゼミテスト⑩

About 10 minutes

NOTICE

- 1 All the numbers in this test are real number, if there is no notice.
- 2 Hurry up as fast as possible.
- 3 If you have any questions, raise your hand quietly and let officer know.
- 4 You can use pencil and ruler.
- 5 You must answer on “answer sheet” differentiated from “question sheet”. If you answer on “question sheet”, you will get no score with the answers.
- 6 Write your name at the top space on the answer sheet.
- 7 You can also get some scores from the process of answering.
In other word, you must write the process.

What value are these?

$$(1)4^{\frac{3}{2}} \quad (2)\sqrt[4]{9^2} \quad (3)\frac{\sqrt{aa^2}\sqrt{a}}{\sqrt[3]{a^2}} \quad (4)\log_{10} 10^4 \quad (5)\log_9 3$$

$$(6)\log_{10} \frac{1}{100} \quad (7)\log_{10} 0.001 \quad (8)\log_{\frac{1}{2}} 16$$

$$(9)\log_3 \frac{1}{6} + \log_3 2 \quad (10)2\log_2 2\sqrt{3} - \frac{1}{2}\log_2 9$$

$$(11)\log_4 18 + \log_{\frac{1}{2}} 6 \quad (12)\log_3 5(\log_5 3)$$