

Nazwisko imię..... **POPRWA** data **19.12.2023r.** klasa. **4b**

Oblicz $\log_a \sqrt{ab}$ wiedząc, że $\log_a b = 5$, gdzie a, b są liczbami dodatnimi i $a \neq 1$.

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Wykaż, że jeśli $b, c \in \mathbb{R}_+$ i $\log_2 b + \log_2 c + 1 = \log_2(b^2 + c^2)$, to $b = c$.

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O ile procent liczba $\log 8$ jest mniejsza od liczby $\log^2 4 + \log 25 \cdot \log 4$?

[illegible]

Porównaj liczby $a = \sqrt{25^{\frac{1}{\log_3 5}} + 49^{\frac{1}{\log_4 7}}}$ oraz $b = 3^{\frac{3}{\log_{\sqrt{6}} 3} - \log_3 2 \cdot \log_2 \sqrt{6}}$

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