数式演習

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令和 5 年 5 月 2 日

$$x_{10} = a^5 + b^{11} + \sqrt{c} \tag{1}$$

$$x = a + b - c \times d \div e \tag{2}$$

$$\sqrt[3]{a+b} \tag{3}$$

$$m\vec{a} = \vec{F} \tag{4}$$

$$y = x^{4n} + 3x^{2n-1} + 2x - 1 \tag{5}$$

$$\forall x \in A, \exists x > 0 \tag{6}$$

$$\Delta ABC \equiv \Delta DEF \tag{7}$$

$$\Sigma_{i=1}^{n} \sum_{i=1}^{n} i = 1 + 2 + \cdots + n = \frac{n(n+1)}{2} \tag{8}$$

$$\vec{a} \cdot \vec{b} = \mid \vec{a} \mid\mid \vec{b} \mid \cos\theta \tag{9}$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \tag{10}$$

$${}_nC_k = \frac{n!}{k!(n-k)!} \tag{11}$$

$$BELUMINI \tag{12}$$

$$y = \sqrt{3x} \log x \tag{13}$$

$$\sin(\alpha - \beta) = \sin\alpha\cos\beta - \cos\alpha\sin\beta \tag{14}$$

$$1 < 2 \leq \cdots \leq x \geq 100 > 99 \tag{15}$$

$$p = \max\{k \mid p_k \in X, s_k \notin Y, 1 \leq k \leq n\} \tag{16}$$

$$\overline{a+b} = \overline{p} \cdot \overline{q} \tag{17}$$

$$p \wedge \overline{q} = \overline{p \rightarrow q} \tag{18}$$

$$P \subset Q, P \subseteq Q \tag{19}$$

$$(p \Rightarrow q) \wedge (p \Leftarrow q) \equiv p \Leftrightarrow q \tag{20}$$

$$\lim_{x \to \infty} f(x) \tag{21}$$

$$P \cap Q = \emptyset, P \cup Q \neq \emptyset \tag{22}$$

$$\int_{x=2}^{4} \cot x \log x dx \tag{23}$$

$$\begin{pmatrix} 1 & 2 & 3 \\ 3 & 2 & 1 \\ 2 & 1 & 3 \end{pmatrix} \tag{24}$$

$$F(n) = \begin{cases} n \times F(n-1) & (n > 1) \\ 1 & (n = 1) \end{cases} \tag{25}$$

$$belumini \tag{26}$$