

2010 -			
	10 - 8 :	:	3 :

( 6 ) :

$$\begin{aligned}
 &3^2 + 4^2 + \dots + 10^2 \\
 &= 7 \cdot 3 + 4 \\
 &\dots \\
 &\dots
 \end{aligned}
 \tag{1}$$

$$\tag{2}$$

$$\tag{3}$$

( 6 ) :

$$\begin{aligned}
 &: n \qquad U_0 = \alpha \qquad (U_n) \\
 &\dots \qquad \alpha \qquad U_{n+1} = -2U_n + 3 \\
 &\dots \qquad (U_n) \qquad \alpha \qquad (1) \\
 &\dots \qquad \alpha = -2 \qquad (2) \\
 &V_n = U_n - 1 : \qquad (V_n) \\
 &\dots \qquad U_0 \quad U_1 \quad V_0 \quad V_1 : \quad - \\
 &\dots \qquad (V_n) \qquad - \\
 &S = V_3 + V_4 + \dots + V_{100} : \qquad \rightarrow \\
 &S' = U_3 + U_4 + \dots + U_{100} :
 \end{aligned}$$

$$(\quad 8):$$

$$\begin{aligned} & .f(x)=\frac{x^2}{x-2} \quad : \quad \mathbb{R}-\{2\} \quad f \\ & .(\text{O} \ ; \vec{i} \ , \vec{j}) \end{aligned} \tag{C_f}$$

$$: \mathbb{R}-\{2\} \quad x \quad \gamma \quad \beta \quad \alpha \tag{1}$$

$$f(x)=\alpha\,x+\beta+\frac{\gamma}{x-2}$$

$$. \lim_{x \rightarrow +\infty} f(x) \quad \lim_{x \rightarrow -\infty} f(x): \tag{2}$$

$$. \lim_{x \xrightarrow{\leftarrow} 2} f(x) \quad \lim_{x \xrightarrow{\rightarrow} 2} f(x) \quad : \tag{3}$$

$$. \quad y=x+2 \quad (\Delta) \quad (\text{C}_f) \tag{4}$$

$$. \quad (\Delta) \quad (\text{C}_f)$$

$$. \quad f \tag{5}$$

$$. (\text{C}_f) \quad \omega(2;4) \tag{6}$$

$$. (\text{C}_f) \quad (\Delta) \tag{7}$$

$$. \text{m} \quad f(x)=\text{m} : \tag{8}$$

$$: \quad (\text{C}_f) \tag{9}$$

$$. \quad y=x+2 \quad x=5 \quad x=4$$