

2010		-	
15	12- 15	10:	:
		/ 3:	

. $c \equiv 3[6]$ $b \equiv 2[6]$ $a \equiv 1[6]$:

c b a : (5) :

$a + b + c \equiv 0[6]$: (1)

$6 \quad a^{1962}$ (2)

$6 \quad 2a^2 - 3b^2 + 4c^2$: (3)

$x + b^2 \equiv 0[6]$: x (4)

(5) :

$U_6 = 256$ $U_4 = 64$: \mathbb{N}^* (U_n)

. q (1)

. (2)

. n U_n (3)

. n $S_n = U_1 + U_2 + \dots + U_n$: (4)

. $S_n = 248$: n (5)

. $f(x) = \frac{x-1}{x+2}$: $\mathbb{R} - \{-2\}$ f : (10) :

. : $f(x)$ (1)

$f(x) = -1 + \frac{3}{x+2}$ (\Leftrightarrow) $f(x) = 1 - \frac{3}{x+2}$ ($f(x) = 1 + \frac{4}{x+2}$ (

: f (2)

$f'(x) = \frac{1}{(x+2)^2}$ (\Leftrightarrow) $f'(x) = \frac{-3}{(x+2)^2}$ ($f'(x) = \frac{3}{(x+2)^2}$ (

: (3)

$\lim_{x \rightarrow -2} f(x) = +\infty$ (\Leftrightarrow) $\lim_{x \rightarrow -2} f(x) = 1$ ($\lim_{x \rightarrow -2} f(x) = -\infty$ (

: (C_f) (4)

$y = 1$ $x = -2$ (\Leftrightarrow) $y = 2$ $x = -2$ ($y = 1$ $x = 0$ (

. 1 (Δ) (5)

. (C_f) (Δ) (6)