

-		
10 - 8 :	:	3 :

(04) :

$$5x - 7y = 5 : (x; y) \quad \square^2 \quad (1)$$

$$\cdot \begin{cases} x \equiv 0[5] \\ x \equiv 5[7] \end{cases} : x \quad (2)$$

$n \quad \beta \quad \alpha \quad 6 \quad \overline{\alpha 30002\beta} \quad n \quad (3)$

(05) :

$$\cdot]0,1[\quad \alpha$$

$$u_{n+1} = \alpha + 1 - \frac{\alpha}{u_n} \quad n \quad u_0 = 2 : (u_n)$$

$$u_n \geq 1 : n \quad (1)$$

$$\cdot (u_n) \quad (2)$$

$$\cdot (u_n) \quad (3)$$

$$v_n = \frac{u_n - 1}{u_n - \alpha} : (v_n) \quad n \quad (4)$$

$$\cdot q \quad \cdot (v_n) \quad ($$

$$\cdot \lim_{n \rightarrow +\infty} u_n \quad \cdot n \quad u_n \quad n \quad v_n \quad ($$

(04) :

$$\cdot (o; \vec{i}; \vec{j}; \vec{k})$$

$$x^2 + y^2 + z^2 - 4y - 5 = 0 : M(x; y; z) \quad (S) \quad (1)$$

$$\cdot \Omega \quad (S) \quad (1)$$

$$\cdot 2x - 2y + z - 2 = 0 : (P) \quad (2)$$

$$\cdot (S) \cap (P) \quad \cdot (P) \quad (S)$$

$$\cdot \vec{u}(1; 0; -2) \quad A(1; -1; -2) \quad (\Delta) \quad (3)$$

$$\cdot (P) \quad (\Delta) \quad (\Delta)$$

$$2mx + (1 - 2m)y + mz + 1 - 2m = 0 : \quad (P_m) \quad (4)$$

$$\begin{aligned} & \cdot (P_m) \quad \Omega \quad (\\ (S) \quad & (P_m) \quad m \quad (\end{aligned}$$

(07) :

$$f(x) = x - 3 + \ln\left(\frac{x}{x+2}\right) : \quad]-\infty; -2[\cup]0; +\infty[\quad f$$

$$\begin{aligned} & \cdot \lim_{|x| \rightarrow +\infty} [f(x) - (x - 3)] \quad f \quad (1) \\ & \cdot (\Delta) \end{aligned}$$

$$\cdot (\Delta) \quad (C_f) \quad (2)$$

$$\cdot \quad f \quad (3)$$

$$\cdot 3 < \alpha < 3,5 : \quad \alpha \quad (C_f) \quad (4)$$

$$\cdot (C_f) \quad \omega(-1; -4) \quad (5)$$

$$\cdot (C_f) \quad (6)$$