

03:			
02 :	:	:	3 :
/			:

(06) :

$$5 \cdot 6^4 \quad 11 \cdot 6^{10} \quad (1)$$

$$\cdot 6^{40} \equiv 1[5] \quad 6^{40} \equiv 1[11] : ($$

$$\cdot 6^{40} - 1 \equiv 0[55] : ($$

$$\cdot \quad y \quad x \quad (2)$$

$$\cdot \square^2 \quad 65x - 40y = 1 \dots \dots \dots (E) \quad ($$

$$\cdot \square^2 \quad 17x - 40y = 1 \dots \dots \dots (E') \quad ($$

$$\cdot (E') \quad (-7; -3) \quad ($$

$$: \quad 0 < x_0 < 40 \quad x_0 \quad (E') \quad ($$

$$17x_0 \equiv 1[40]$$

$$b^{33} \equiv a[55] \quad a^{17} \equiv b[55] \quad a^{40} \equiv 1[55] : \quad a \quad (3)$$

(07) :

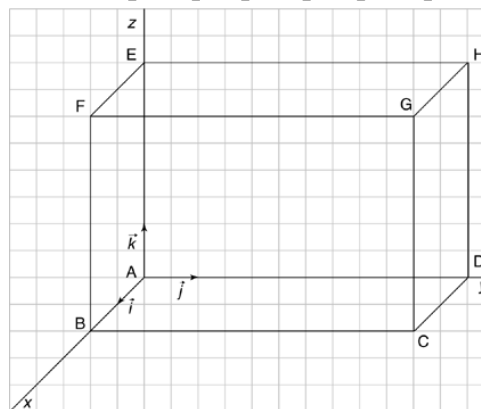
. $(O; \vec{i}; \vec{j}; \vec{k})$

$$\cdot \overline{AB} = 2\vec{i} \quad \overline{AD} = 6\vec{j} \quad \overline{AE} = 4\vec{k} :$$

ABCDEFGH

[EF] [FB] [AD]

I J K



K J I

E F D B

(1

$$\cdot (0; 3; 0) \quad (2; 0; 2) \quad (1; 0; 4) :$$

$$\begin{aligned}
 & \cdot 2x + z = 6 & (P_2) & \quad y = 0 & (P_1) & \quad (2) \\
 \cdot (P_2) & & \vec{n}_2 & & (P_1) & & \vec{n}_1 & & (\\
 & & & & \cdot (P_2) & (P_1) & & & (\\
 \cdot (IJ) & & & & \cdot (P_2) & (P_1) & & & (\\
 & & & & & & \vec{n}(2;2;1) & & (3) \\
 \cdot (IJK) & & & & & & \vec{n} & & (\\
 \cdot (IJK) & & & & & & & & (\\
 \cdot 1 & & F & & (S) & & & & (4) \\
 \cdot (IJK) & & F & & & & & & (\\
 \cdot (C) & & (IJK) & & (S) & & & & (\\
 \cdot & & (C) & & & & & & (
 \end{aligned}$$

(07) :

$$(C_g) \cdot g(x) = \frac{1}{x} - 3 - \ln x :]0; +\infty[\quad g$$

$$1cm \quad 4cm \quad \cdot (o, \vec{i}, \vec{j})$$

$$\cdot g \quad (1)$$

$$\cdot 0,25 < \alpha < 0,5 \quad \alpha \quad g(x) = 0 \quad (2)$$

$$\cdot (C_g) \quad (3)$$

$$I = \int_{0,25}^{\alpha} \ln x \, dx \quad \alpha \quad (4)$$

$$\cdot J = \int_{0,25}^{\alpha} g(x) \, dx \quad (5)$$

$$\cdot J = \alpha + \frac{1}{\alpha} - \frac{7}{2} + \frac{3}{2} \ln 2 : \quad (6)$$

$$: \quad (C_g) \quad \alpha \quad cm^2 \quad (7)$$

$$\cdot x = \alpha \quad y = 0 \quad x = 0,25$$