Пизивизданные записе (2) reg Eno, П написать уре плоскости, прокорещей геру поган А 1-0 пп-и а и перапи в.у а. A(1,1,-2) \ \alpha = 2x+32=0 \ \alpha(1,-1,1) a = 2x+3z=0 n1 = (2;0;3)  $\vec{n}_{L} = \vec{n}_{1} \times \vec{a} = \begin{bmatrix} i & j & k \\ 2 & 0 & 3 \\ 1 & -1 & 1 \end{bmatrix}$ = -2k + 3j - k + 3i - 2j = 203  $= 3i + j - 3k = 7 \quad n_2 = (3;1;-3)$ A(x-x0) + B(y-y0) + C(2-20) = 0 3(x-1)+1(y-1)-3(2+2)=0 3x-3+y-1-32-6=0 3x + 4 - 32 - 10 = 0Ombem: 3x + y - 32 - 10 = 0

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$$M(1; -3; 4)$$
  $L: \int 2x - y + 2 - 3 = 0$ 
 $M(1; -3; 4)$   $L: \int 2x - y + 2 - 3 = 0$ 
 $M(1; -3; 4)$   $L: \int 2x - y + 2 - 3 = 0$ 
 $M(1; -3; 4)$   $M(1;$ 

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(x = -2 + 3

2 = 2 + 1

3 Coemabams yp. e m. u, npotojewjai repry npunyo L, u noponnenowym np. L2.

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$$\begin{vmatrix} x - xM & y - yM & z - 2M \\ 1 & 5 & 1 \\ -32 & 22 & 14 \end{vmatrix} = \begin{vmatrix} x - 5 & y + 2 & 2 \\ 1 & 5 & 1 \\ -32 & 22 & 14 \end{vmatrix}$$

$$= (x - 5) \cdot 5 \cdot 14 + 22 \cdot 2 - 1$$

$$= (x - 5) \cdot 5 \cdot 14 + 22 \cdot 2 - 1$$

$$= (y + 2) \cdot 32 + 32 \cdot 5 \cdot 2 - 22(x - 5) - 1$$

$$- 14(y + 2) = 1$$

$$= 70(x - 5) + 44 - 32(y + 2) + 1602 - 1$$

$$- 22(x - 5) - 96(y + 2) + 1602 + 44 = 1$$

$$= 48x - 46y - 46y - 92 + 1602 + 44 = 1$$

$$= 48x - 46y + 1602 - 288 = 0$$

$$Ombern: 48x - 46y + 1602 - 288 = 0$$