3agach 3a Grpattkethe:

Pa ce pemat encrepunte

mneuru ypabretuus:

a)  $\begin{cases} x_1 + x_2 + 2x_3 = 8 \\ -x_1 - 2x_2 + 3x_3 = 1 \\ 3x_1 - 7x_2 + 4x_3 = 10 \end{cases}$ 5)  $\begin{cases} x_1 - x_2 + 2x_3 - x_4 = -1 \end{cases}$ 

 $6) \begin{vmatrix} -2x_{2} + 3x_{3} = 1 \\ 3x_{1} + 6x_{2} - 3x_{3} = -2 \\ 6x_{1} + 6x_{2} + 3x_{3} = 5 \end{vmatrix}$ 

Pa ce peuve cucrenata b 30 bucunoct ot crocinoctro no pamet pute  $\lambda$  4 Me'mo'  $-x_1 - x_2 - x_3 + 3x_4 = 1$   $-x_1 + x_2 + 4x_3 + 2x_4 = 2$   $-3x_1 + 2x_2 + x_3 - 8x_4 = \lambda$  $(3+\mu)x_1 + 4x_2$ 

Nouvourane nperospazybarunta: 1) yur. no i-ra peg c zucno:

2) ynn, no i-tu pea c zucho u npudabane won jetu: Rj=Rj+p.Ri 3) pazmena na pegabe: Rico Ri Pemerune na ropriete 309024 01 (1) 1 2 | 8 (1) (-3) BENKUZKO, 3 -7 4 (10) 2 Pabro 

 $-x_{2}+5.2=9 \implies -x_{2}=-1 \implies x_{2}=1$  $x_{1}+1+2.2=8 \implies x_{1}=3$ 

$$|-x_2+2p=0 \Rightarrow x_2=2p$$
  
 $|-x_1=1-q=0 \Rightarrow x_1=q-1$   
 $|-x_1=1-q=0 \Rightarrow x_1=q-1$ 

 $(\kappa_{1}, \kappa_{2}, \kappa_{3}, \kappa_{6}) = (9-1, 2p, p, q)$  $\forall p \in \mathbb{R}, \forall q \in \mathbb{R}$ 

$$\begin{pmatrix}
0 & -2 & 3 & 1 \\
3 & 6 & -3 & -2 \\
6 & 6 & 3 & 5
\end{pmatrix}
\begin{pmatrix}
-2 & 2 & 2 \\
5 & 2 & 2
\end{pmatrix}$$

2+M 0 0 0 
$$\frac{1}{2}$$
  $\frac{1}{2}$   $\frac{1}$