$$=1.(45-48)-2.(36-42)+3.(32-35)=$$

$$=1.(-3)-9.(-6)+3.(3)$$

$$\begin{vmatrix} -2 & 7 & -3 \\ 4 & -14 & 6 \\ -3 & 7 & 13 \end{vmatrix} = -2 \cdot \begin{vmatrix} -14 & 6 \\ 7 & 13 \end{vmatrix} - 7 \cdot \begin{vmatrix} 4 & 6 \\ -3 & 13 \end{vmatrix} + 3 \cdot \begin{vmatrix} 4 & -14 \\ -3 & 7 \end{vmatrix} =$$

$$= -2 \cdot \left(-182 - 42 \right) - 7 \cdot \left(52 + 18 \right) + 3 \cdot \left(28 - 42 \right) =$$

$$= -2 \cdot \left(-224 \right) - 7 \cdot \left(70 \right) - 3 \cdot \left(-14 \right) =$$

$$= 448 = 490 + 42 = 0$$

un

4. Кайы рана магрицы a) (1 2 3)
1) 30 April 4 yeuror 18 4 25,
2 3 4) e) bountaem uj lu from 200: 3) menden la 2 copone messaux; (111) - pan 2 1) 3 Aprina - wardenay. & 15 4 25, убирасте ? 2) (paninounpy can ? 3) Junomaem to spom ra 1,5, copony youracan: dy, t.e.

4) Uz 26 chown branspaen 30:
$$\begin{pmatrix}
0.03 \\
2.25 \\
1.26
\end{pmatrix} = \begin{pmatrix}
0.03 \\
1.0-1 \\
1.26
\end{pmatrix} = \begin{pmatrix}
1.0-1 \\
1.26 \\
0.03
\end{pmatrix} = \begin{pmatrix}
1.0-1 \\
1.26 \\
0.03
\end{pmatrix}$$
Uz 26 boansaen 10:
$$\begin{pmatrix}
1.0-1 \\
0.27 \\
0.03
\end{pmatrix} : 3$$
Tenum 20 chowy na 2 a 310 na 3:
$$\begin{pmatrix}
1.0-1 \\
0.13.5 \\
0.01
\end{pmatrix}$$
Oches: Pan 3