

Vypočítejte determinant a inverzní matici:

$$A = \begin{pmatrix} 1 & 0 & -1 \\ 2 & -1 & 3 \\ 0 & 1 & 0 \end{pmatrix} \quad B = \begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{pmatrix}$$

$$C = \begin{pmatrix} 1 & 2 & 0 \\ -2 & 0 & -3 \\ 0 & 3 & 5 \end{pmatrix} \quad D = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & -4 \\ 1 & 0 & 1 \end{pmatrix}$$

$$E = \begin{pmatrix} 1+i & 1-i \\ 2 & i \end{pmatrix}$$