

Próba feladatok a 6. gyakorlathoz

1.

$$A = \begin{bmatrix} 4 & -1 & 0 \\ -1 & 4 & -1 \\ 0 & -1 & 4 \end{bmatrix}, \quad \underline{b} = \begin{bmatrix} 2 \\ 6 \\ 2 \end{bmatrix}, \quad \varepsilon = 10^{-3}$$

2.

$$A = \begin{bmatrix} 1 & -2 & 2 \\ -1 & 1 & -1 \\ -2 & -2 & 1 \end{bmatrix}, \quad \underline{b} = \begin{bmatrix} -1 \\ 0 \\ -5 \end{bmatrix}$$

3.

$$A = \begin{bmatrix} 2 & 0 & 3 & 2 \\ 4 & 4 & 4 & 4 \\ 3 & 2 & 3 & 4 \\ 2 & 3 & 0 & 2 \end{bmatrix}, \quad \underline{b} = \begin{bmatrix} 6 \\ 16 \\ 13 \\ 9 \end{bmatrix}$$