Problem 1

Problem 2

Problem 3

Problem 4

Matrix:

$$\begin{pmatrix} 1 & 1 & -1 & 3 \\ 1 & 2 & -4 & -2 \\ 2 & 1 & 1 & 5 \\ -1 & 0 & -2 & -4 \end{pmatrix}$$

Matrix of Minors:

$$\begin{pmatrix} 1 & 1 & -1 & 3 \\ 1 & 2 & -4 & -2 \\ 2 & 1 & 1 & 5 \\ -1 & 0 & -2 & -4 \end{pmatrix}$$

Problem 5

Problem 6

Problem 7

Problem 8

Problem 9

Problem 10

Problem 11