1. Compute the determinant of the matrix

$$
A=\left[\begin{array}{lll}
1 & 2 & 3 \\
4 & 5 & 6 \\
7 & 8 & 9
\end{array}\right]
$$

2. Compute the determinant of

$$
A=\left[\begin{array}{rrrr}
1 & 0 & 0 & -1 \\
0 & 1 & 0 & 1 \\
1 & 0 & 1 & 1 \\
0 & -1 & 0 & 1
\end{array}\right]
$$

3. Use Cramer's rule to solve the equations

$$
\begin{array}{r}
x+y+z=2 \\
x-y=1 \\
x-z=0
\end{array}
$$

