

## Lab #3c

Instructor: Dr. Ha Viet Uyen Synh.

1. Solve the system linear of equations

$$\begin{cases} 2x_1 + 7x_2 + x_3 = 19 \\ 4x_1 + x_2 - x_3 = 3 \\ x_1 - 3x_2 + 12x_3 = 31 \end{cases}$$

- a) by the Jacobi method
- b) by the Gauss-Seidel method (3 iterations).