## Homework #2F

Solve the following system of linear equations

$$4x_1 + 4x_2 + x_3 = 5, \ -2x_1 + x_2 + x_3 = -1, \ -5x_1 - 4x_2 + 2x_3 = -14$$

- a) Using **Doolittle** factorization method.