

## Exercise for Thursday, 22nd Aug 2019

1. Implement the general algorithm we discussed in class for solving a set of coupled linear equations through Gaussian elimination method. Make sure the code is general, for an arbitrary value of number of equations (or variables).

And use that to solve the following set of equations.

$$2w + 2x + 3y + z = 0$$

$$3w + 4x - 2y + 5z = 4$$

$$-5w + 5x - y - 2z = 3$$

$$-w - x - 3y + 3z = -2$$