Q1. The vectorized version is like a whole digit of a second faster

Q3 part 1. It's (\) better since it can be take use take more sets to compute the data
and therefore be a better estimate while still using LU substition to be as efficient as possible.

Q3 part 3 a) Adding gaussian noise after reconstructing the image looks closer to the
original image. I think it's because when you add noise then try to reconstruct,
you're using data that's already messed up which recreates a even more messed up image.
But if you reconstruct first, then the image would be less messed up looking since
the reconstruction helps it not look as messed up. This applies to both images.

Q3 part 3 b) It spells out the word "SCIENCE".