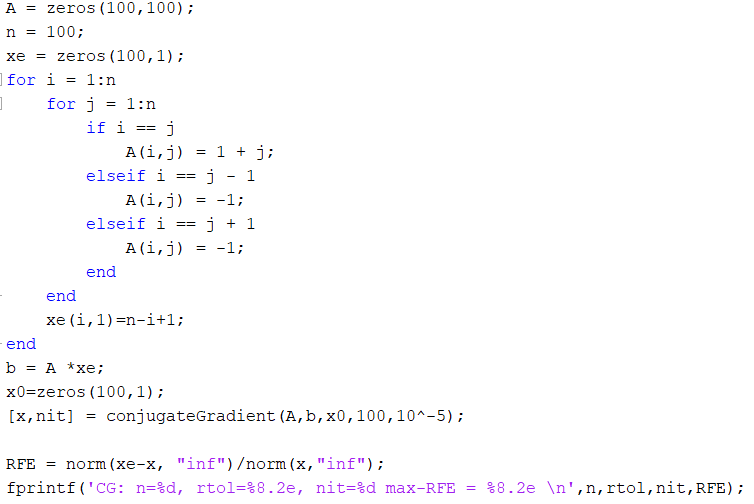
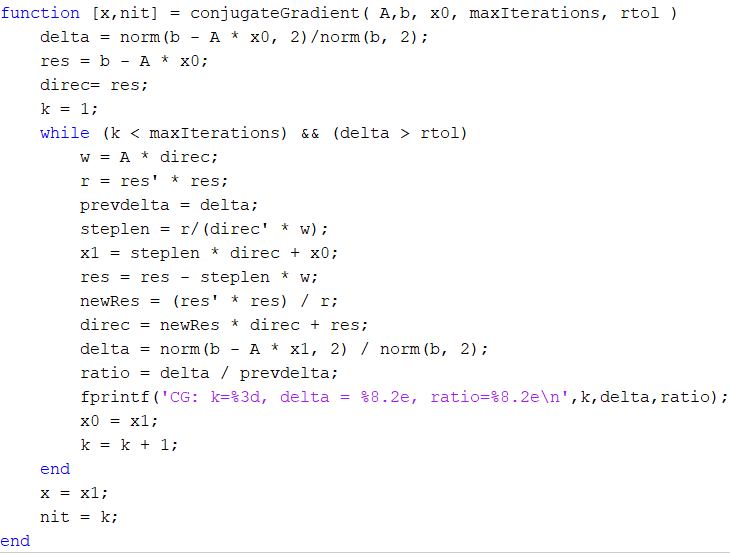
Question 2

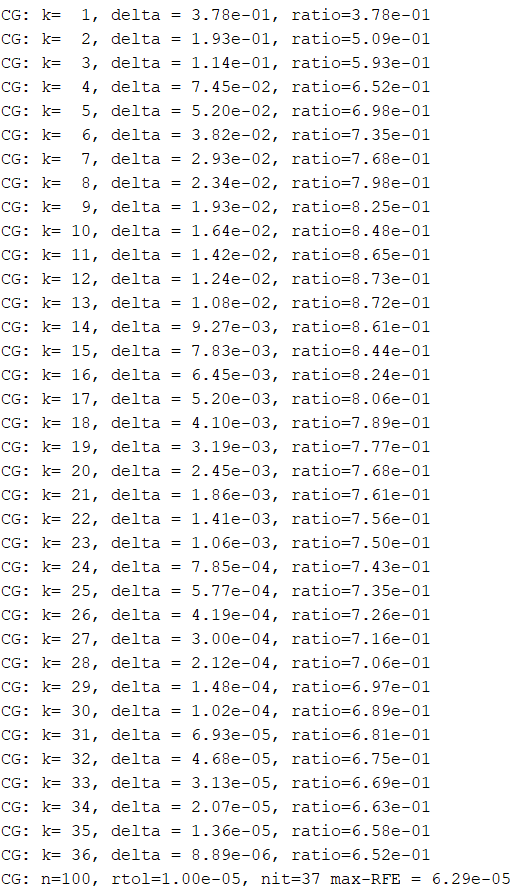
Here is the code for input:



Here is the code for my solve function:

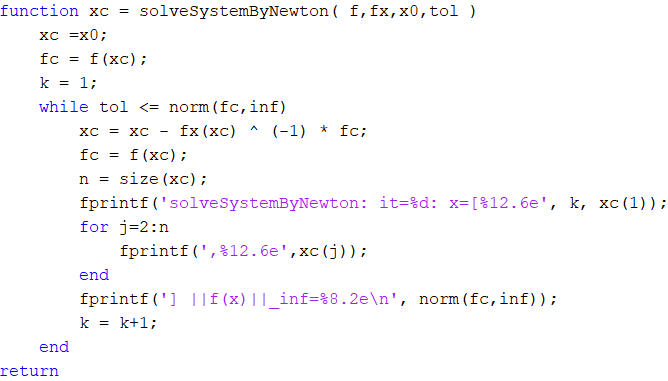


Here is the output:

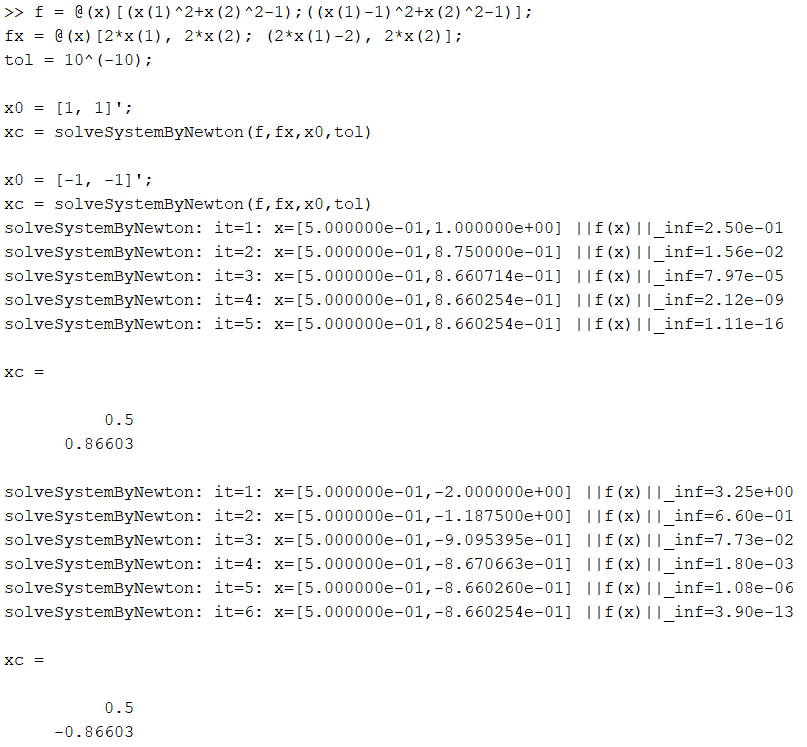


4.

Here is the function:

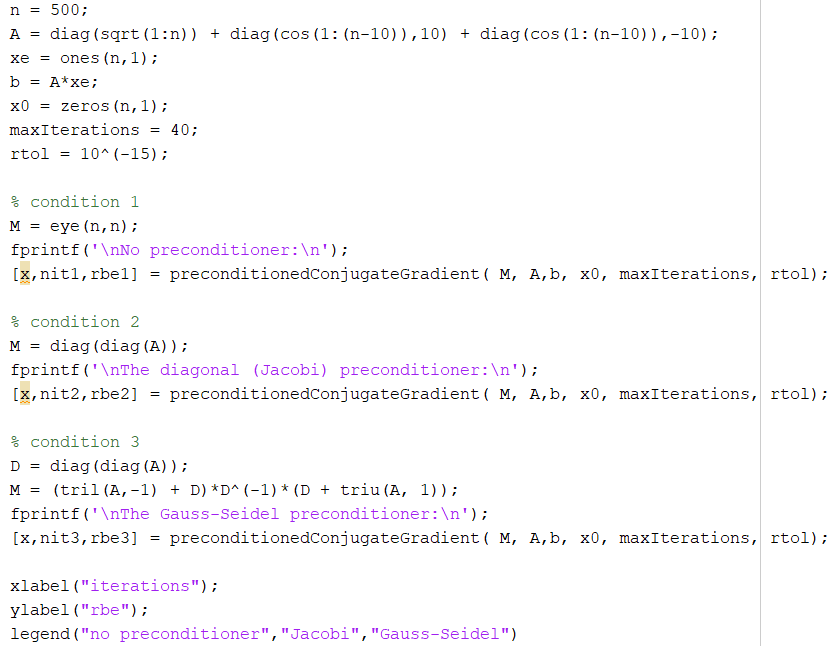


Here is the input code and output result:

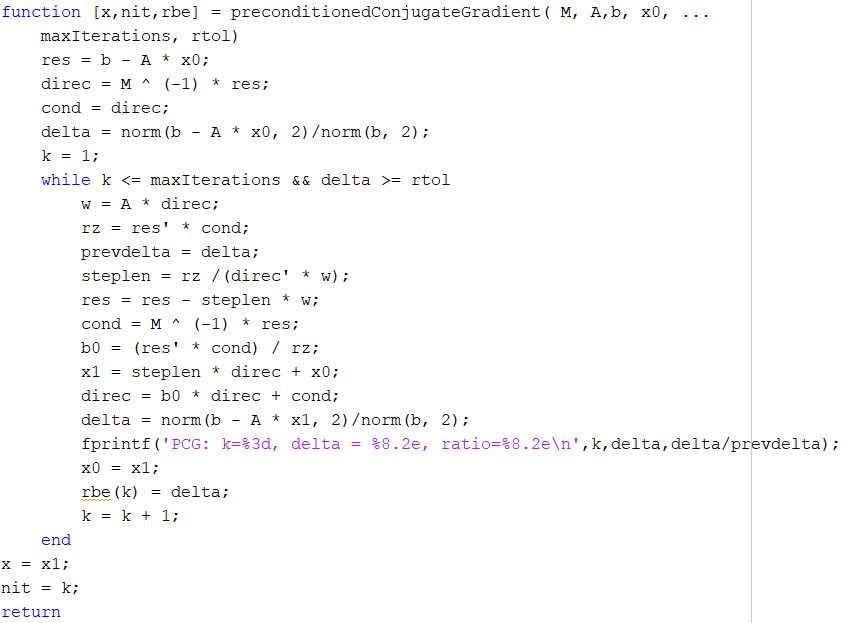


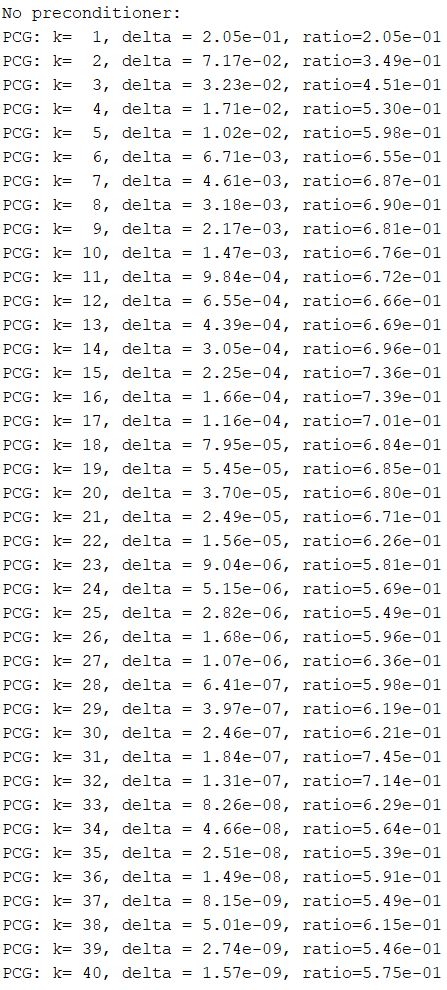
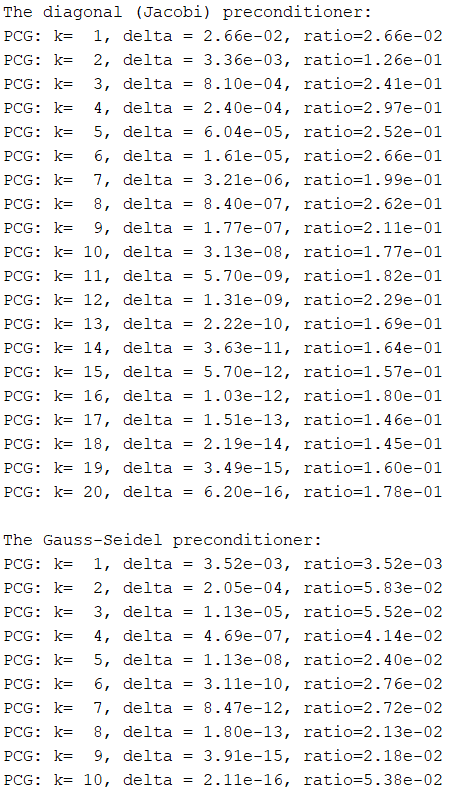
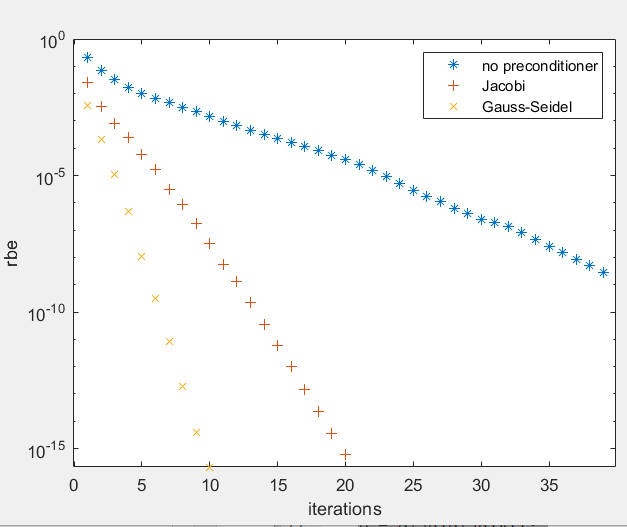
5.

Here is the input:



Here is the function:



Here is the output for three different preconditioners:

Here is the graph: