Write a MATLAB function findzero.m that takes a function handle and two values a, b as input parameters and returns either a zero of the input function in the interval $[a, b]$, using the bisection method[1], or else prints a warning message and returns NaN if there is no zero in the interval. Plot the graph of the function in the interval $[a, b]$ and mark the zero, if any, by a symbol of your choice.

Write a MATLAB script test_findzero.m that uses the function findzero to find a solution of the equation

$$\Gamma(x) = 3,$$

where $\Gamma(x)$ is Euler's gamma function. Put both .m files in a directory called Assignment04_Groupxx[2] and compress the directory into a zip file called Assignment04_Groupxx.zip.

[1] see http://en.wikipedia.org/wiki/Bisection_method

[2] xx is your group number