1. Write Python functions to plot signals/functions. You should be able to plot real as well as complex signals and CT as well as DT signals. You will be using this functionality quite a lot in this course.
2. Plot the following functions:
   1. Step functions u(t)u(t) and u[n]u[n].
   2. Translated stepfunctions u(t−2)u(t−2) and u[n−2]u[n−2]
   3. Scaled and translated step function 3u(t−23)3u((t−2)/3)
3. Plot the xa function for several values of aa. See for yourself that it starts to look as the pulse function.
4. Defining the CT pulse function as the limit of the xa function is not a unique definition. If we take the function gs(t) being the Gaussian function (you may well remember...) and look at the limit for s→0 you will see that in the limit we arrive at the pulse function too. Plot the gs for several values of ss to see for yourself.