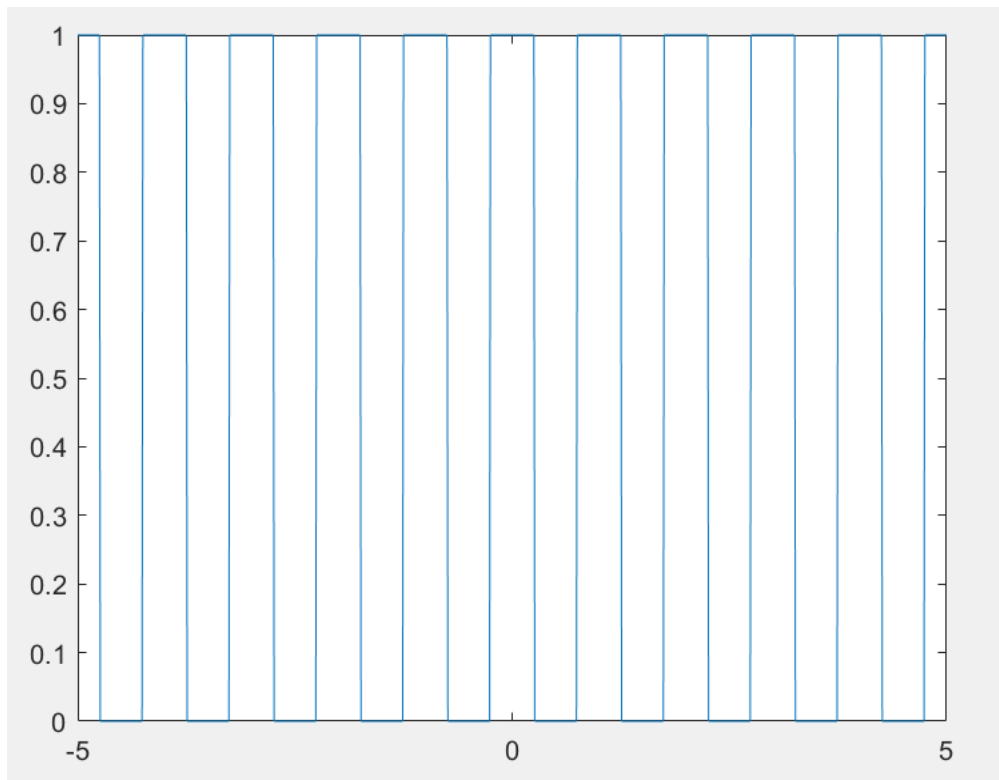# Graphical Outputs

Q.3 Fourier Series Analysis)

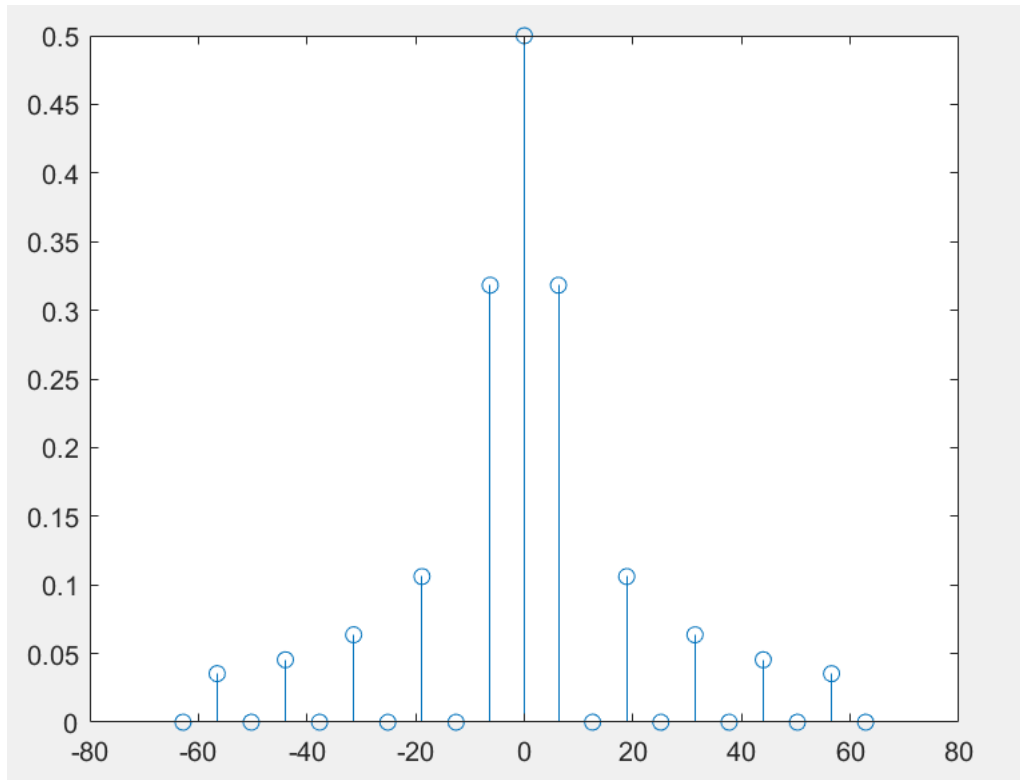Square wave of fundamental period 1.

x(t) vs t

Q.5 Fourier Series Analysis)

Plot of $|a_k|$ vs w_k, for the square wave defined in Q.3 and plotted above.

Q.2 Fourier Series Synthesis Equation)

Plot of xN(t) vs t for different values of N=1,5,10,25,50 in order and thus following the calculation of overshoot.