EE-3221 – Dr. Durant – Quiz 4
Winter 2020-'21, Week 4

This is an **open**-book quiz. As always, you may also refer to your homework that is due today.

1. (3 points) Provide a stem plot for x[n] = u[n+2] – u[n-6] + δ[n-3].
2. (2 points) Based on your first plot (x[n]), provide a stem plot for y[n] = x[2n].
3. (2 points) Based on your first plot (x[n]), find the energy of x[n].

4. (3 points) Determine whether $w[n] = \cos(\pi / 3 \times n)$ is periodic and, if it is, determine the fundamental period.