Quiz #10 EE 360 Fall 2021   Name:_____

Open book and open notes

Show your work for credit and place boxes around your answers.

Plot, in the complex domain, the location of the poles and zeros for a digital system with a transfer function of $H(z) = \frac{1-z^{-3}}{1-z^{-1}}$. Determine and sketch the frequency response, both magnitude and phase. Sketch a direct form block diagram of the digital system. Verify in MATLAB.