HW #1 Plotting

Demonstrate that you have available a plotting capability which will produce amplitude (linear), magnitude (linear and logarithmic), and phase (linear) plots as a function of sequence number or frequency. For example, the plot axes shown below are representative of the types of plots that will be requested later. Logarithmic magnitude is equal to 20 log10 |x|. The time axis typically is an integer sequence number (n). The frequency axis typically will have any one of the following representations: radians ($-\pi$ to π), normalized frequency (-0.5 to 0.5 cycles/sample), and frequency ($-f_S/2$ to $f_S/2$ Hz) (f_S = sampling rate).