PROBLEM:

The following complex-valued signal is a phasor:

 $z[n] = e^{j\theta[n]}$

where
$$\theta[n]$$
 is the phase.

make a plot of the phasor locations for n = 0, 1, 2, 7, 10, 17, 20, 33, 50 and 99.

(a) When the phase changes by a constant amount versus n, the phasor rotates at a constant speed. For the following phasor

 $z[n] = e^{j(0.1\pi n - 0.5\pi)}$

(b) Repeat for the complex phasor that corresponds to the chirp signal:

 $z[n] = e^{j0.2\pi n^2}$

In this case, plot the phasor locations for n = 0, 1, 2, 3, 4 and 7.