- 1. Sketch the following discrete-time signals by hand for k = -1, 0, ..., 2.
 - $x[k] = \delta[k]$
 - b. x[k] = u[k]
 - $x[k] = \delta[k] + u[k]$ c.
 - d. $x[k] = (-0.5)^k$
 - $x[k] = (-0.5)^k u[k]$
 - $x[k] = 0.5^k$ f.
 - $x[k] = 1.1^{k}$ g.
 - h.
 - $x[k] = e^{jk/4}$, note x[k] is complex, so plot in complex plane $x[k] = e^{-jk/4}$, note x[k] is complex, so plot in complex plane
- 2. Use matlab to plot discrete-time signals given in parts a-g of problem 1 for k = -1, 0, ..., 5. Use subplot to minimize paper use.
- 3. P8.2-3. Plot signals with matlab and label period to verify results. Use subplot to minimize paper use.
- P8.2-4. Plot signals with matlab and label period to verify results. Use subplot to minimize paper use.