Due Wednesday February 6, 2019

- Make note of the following:
  - We will begin discussion of these problems in class on Wednesday January 28
  - Write only on one side of the paper
  - Please try if possible to start each new problem on a clean sheet of paper
  - Use engineering paper if you like

- Problems
  1. Text 2.1. You may want to refer to the ECE 5650 DFT notes or similar material from a DSP text.
  2. Text 2.3.
  3. Text 2.5. You will likely find this problem to be quite challenging. I will post hints for this and other problems in the coming days.
  4. Text 2.13. Note some printings of the book contain an error in the definition of matrix $A$. It should be

$$A = \begin{bmatrix} 0 & 1 \\ 1 & 1 \end{bmatrix}$$

5. Text 2.15. Check your work with Python.
6. Text 2.19. Attempt to verify the solution graphically using Mathematica and/or Python.