Assignment 1 - Sampling

Due January 16, 1996

Question 1

Question 1.2 from the text.

Question 2

Question 1.9 from the text.

Question 3

Question 1.10 from the text.

Question 4

Question 1.15 from the text.

Question 5

(a) Compute the convolution of the discrete-time sequences $x(n) = \{1, 2, 1\}$ and $h(n) = \{1, 2\}$ by hand. Show your work.

(b) Compute the same thing using MatLab. Plot the result and hand in a printout of the plot. *Hint: you may use the* `conv` *or* `filter` *functions.*