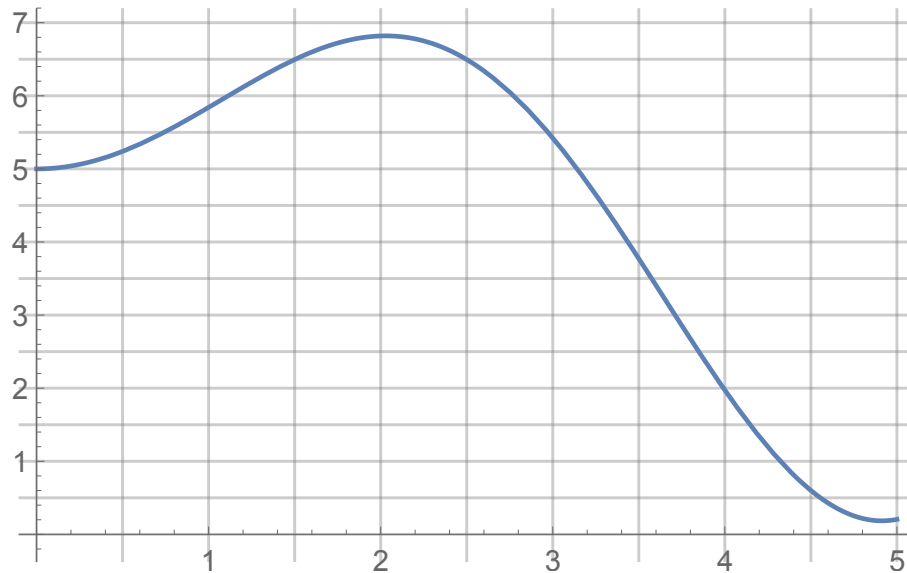CS 4 Computer Science Bootcamp
Summer B 2019

Homework Assignment 6:

Consider the following sound wave which is 5 seconds long, and its amplitude
between 0.0 and 8.0 volt. (At 1 Hz, take 6 samples: 0, 1, 2, 3, 4, 5)

Give its digital representation sampled and quantized at the following sampling rates and quantization resolutions:

- 1 Hz and 3 bits

- 2 Hz and 3 bits

- 4 Hz and 3 bits