Homework 2

1. Problem 4.1
2. Problem 4.7
3. Problem 4.6

4. MATLAB Exercise: Consider a PCM receiver using NRZ signaling in an AWGN channel. Using MATLAB, plot the average probability of error, $P_e$, as a function of the SNR for SNR values ranging from 0 dB to 15 dB changing the SNR in increments of 0.5 dB. What is the probability of error at a SNR of 7 dB?