ECE 146B   **Spring 2008**
Gibson   **April 15, 2008**
                                                Due: 4/22/08

Homework No. 3

1. Problem 4.21

2. Problem 4.22

3. Problem 4.30

4. Problem 4.34

5. Starting with Eq. (8.4.4), derive Eq. (8.4.8) of the handout notes from Sec. 8.4 of Gibson (1993). This essentially completes the derivation outlined in class.

6. For a generic smooth pulse with zero intersymbol interference, sketch y(t) in Eqs. (8.4.3) and (8.4.8), thus verifying Fig. 8.4.2.