

**HOMEWORK ASSIGNMENT 3**

Reading: Text, Section 3.1 and 3.2, and Lathi, Chapter 4

**Due Date: February 13, 2003** (in class)

1. Problem 3.7 on page 132 of text.
2. Problem 3.9 on page 132 of text. (Note that it is okay if you get a  $u(t)$  that is a scaled version of  $m(t) \sin 2\pi f_c t$ .)
3. Problem 3.11 on page 133 of text.
4. Problem 3.18 on page 135 of text.
5. Problem 3.19 on page 136 of text.