

# Homework 6

Due February 20

*Be sure to write your name and section on your homework. Please staple all pages together.*

Do the following problems from the textbook:

**Section 7.1** 24, 26, 30, 32, 37, 62, 64

**Section 7.2** 1, 2, 4

**Extra Credit:** Find the integral using integration by parts:

$$\int \cos^2(x) dx.$$