Homework Due Monday Febuary 19

1. Find the following :

$$\int e^{2x} \cos(x)\, dx \qquad \int e^{ax} \cos(bx)\, dx \quad \text{where } a \text{ and } b \text{ are constants}$$
$$\int e^{-t} \sin(t)\, dt \qquad \int_0^{\pi} \sin(nx)\, dx \quad \text{where } n \text{ is a constant}$$

2. Page 641 #13abc.

3. Read the first part of section 11.4, Pages 644–648. Based on this reading try problems 2ab. (I don't want anyone to get discouraged if they can not do the problems based just on the reading, do make an effort. One of the beast things you can get out of a class like this is learning to read technical material. One you can do do this you are no longer dependent on other people get any information you need.