Homework #1: Class Communication, Significant Figures, and Sub-VI's

1. Subscribe to the ME 120 email distribution list according the day of the week you have class. I’m going to use this to keep you aware of late breaking news regarding the class.

Here is how you do it:

- You need to have an email address. If you don’t have one already, sign up for a free account using Hotmail, Yahoo, or SJSU. See me for details
- Using the email account in which you wish to receive emails from the class, send an email message to: listproc@listproc.sjsu.edu and do the following things:
  - Leave the Subject line blank
  - In the text area of the email, enter the following:
    SUBSCRIBE me120_f03_tuesday myfirstname mylastname
    Where the blank box is meant for you to put the day of the week that your section meets, i.e., tuesday, thursday, or friday (in lower case!!), and myfirstname mylastname means for you to put your first name then last name. So, for example, if you are in Tuesday’s section, and your name is John Doe, you would type:
    SUBSCRIBE me120_S03_tuesday John Doe
    Double check your typing and spelling before you send the email. You should then get an acknowledgment back from the listproc server that you have been added to the list. Let your instructor know if you have any problems adding yourself to the list.

2. Visit Christopher Mulliss’ website (http://www.angelfire.com/oh/cmulliss/index.html) and write about the following (must be typewritten):
   - What is the ‘alternate’ rounding rule for multiplication and division?
   - How did Prof. Mulliss establish that the alternate rounding rule is preferred over the standard rounding rule for multiplication and division?

3. Install LabView on your computer.

4. Create a sub-VI to convert millimeters to inches. Make the input on the front panel to be a slider and also show the corresponding digital display. Make the output a dial gage with the corresponding digital output. Turn in a printout of your front panel and block diagram. Make sure you edit the icon and wire the terminals. Verify that you can use your sub-VI in another VI.