**Lab 2: Atmospheric Basics**

**Question 1:**

Do not use the data from Table 1. Use the sounding from 12/2/15

<http://weather.uwyo.edu/cgi-bin/sounding?region=naconf&TYPE=TEXT%3ALIST&YEAR=2015&MONTH=12&FROM=0212&TO=0212&STNM=72403>.

Do not draw in Figure 1 but in the larger printout version of the graph that I have distributed.

**Question 2:**

By “the points you have indicated,” we mean the top of surface inversion and the beginning of the tropopause.

**Question 3:**

Show your work. Make an educated guess when answering what this might indicate.

**Question 4:**

Show all work and think critically about which equation you are using to solve this problem. Read the directions carefully.

**Question 5:**

Hint: Look at the equation you used in number 4 and think about what happens to density when you increase or decrease the temperature variable.