Write a brief account (approximately 2 pages) explaining your findings. This should be written in the following sections:

1. Title: Give your work a descriptive title that is concise, but would give a naïve reader a good indication of the contents of your paper. For example, the title “Model results” is pretty uninformative, as is the title “Climate change results”. (10 pts)
2. Introduction. This section should introduce the concept of GCM models and discuss the value of modeling to predict future climates. It should also discuss uncertainty about future atmospheric chemistry and why it is important to consider various possible future atmospheres. State the objectives of the exercise. (2-4 paragraphs) (10 pts)
3. Methods. Briefly mention the model used, the time scale of the simulation, the geographic location of the data used, and the statistical procedures performed. (20 pts)
4. Results and Discussion. Discuss the changes seen in climate for your location between 2001-2100. Describe the differences seen among the three SRES scenarios and across the latitudes. Include graphs for your assigned Latitude AND the summary graph of temperature change across all of the Latitudes. Number each figure, and provide an explanatory caption for each figure. Refer to the figures at appropriate points in the text. Compare your findings with those of other students for other latitudes. (graphs 20 pts each; Results and Discussion 20 pts)

Your work will be assessed on:

* Graphs contain the correct data as described in the lab exercise, axes are labeled correctly including units, and have descriptive titles.
* The explanation of the concepts of global climate modeling and emissions scenarios.
* The explanation of the procedures used to analyze the data.
* The interpretations of any differences seen in the results for different scenarios, seasons, and latitudes.
* The clarity of the presentation, including overall organization, paragraph and sentence structure, grammar, spelling, and choice of words.