MAE578, Spring 2015 Homework #6

This is a "half" homework which will be given a weight of 0.5, compared to 1.0 for all other homework assignments.

1. (25%) Solve Prob 1(a) in Chapter 8 of the textbook. You do not need to solve Prob 1(b) and 1(c).

2. (25%) Solve Prob 2 in Chapter 8. Qualitatively sketch the trajectory of an air parcel that starts at the upper troposphere at 10°S and moves to 20°N while preserving its absolute angular momentum.

3. (50%) Solve Prob 5 in Chapter 8.