

Name \_\_\_\_\_

**Review Questions:**  
**Mean Sea Level Pressure Exercise**

(Make a hardcopy of this page and return to Brian when completed)

- 1) In what ways are the ASOS Mean Sea Level reduction and the MSAS reduction methods different? Which one will likely engender 'smoother' analyses over complex terrain?
  
  
  
  
  
  
  
  
  
  
- 2) List three situations where the ASOS MSLP may give misleading results.
  
  
  
  
  
  
  
  
  
  
- 3) Look on AWIPS and find an example where the values of sea level pressure (or gradients of pressure) are significantly different (more than 3 mb or so) between different models, or a specific model and the ASOS analyses. Using what you know about the derivation of SLP from the web training exercise, explain the differences you see. Please make a hardcopy of the AWIPS analyses with your discussion.