

## Group Meeting Problems

### July 4<sup>th</sup>, 2007

1. In scheme 3 of Aria et al. *J. Am. Chem. Soc.* **2007**, 8103, provide a mechanism for each transformation starting from substrate **6** through substrate **10**. One substrate variant is sufficient.
2. Suggest at least two methods (two methods for each type of heterocycle) for both epoxide and aziridine formation. Provide a mechanism for each suggested method.
3. What are some of the issues inherent in making meso substrates?