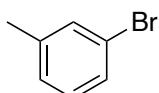


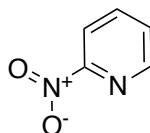
Organic Chemistry 2: Quiz 2

Name: Key

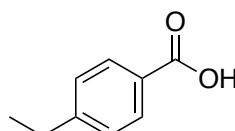
1. (9 pts) Provide the structures for the compounds below



meta-bromotoluene



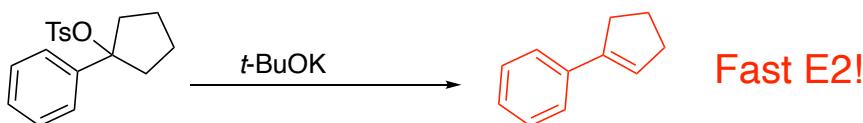
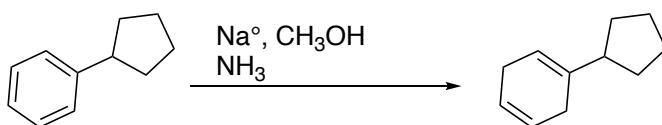
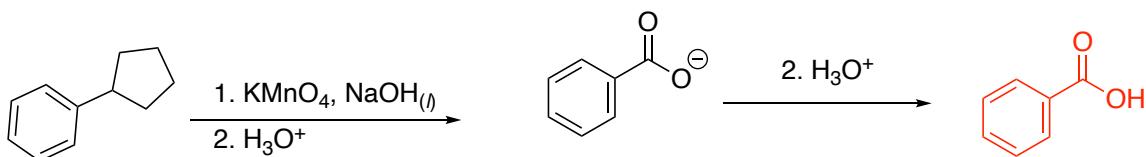
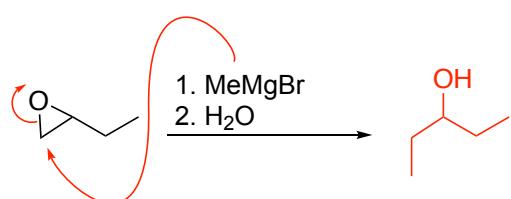
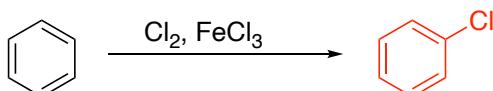
2-nitropyridine



para-ethylbenzoic acid

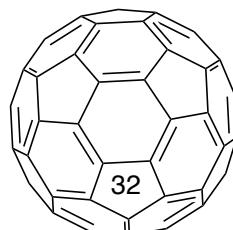
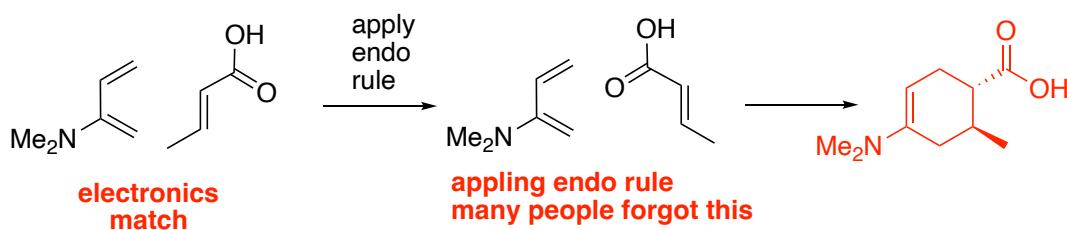
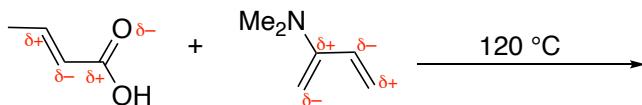
note: you will likely find something helpful below for this one

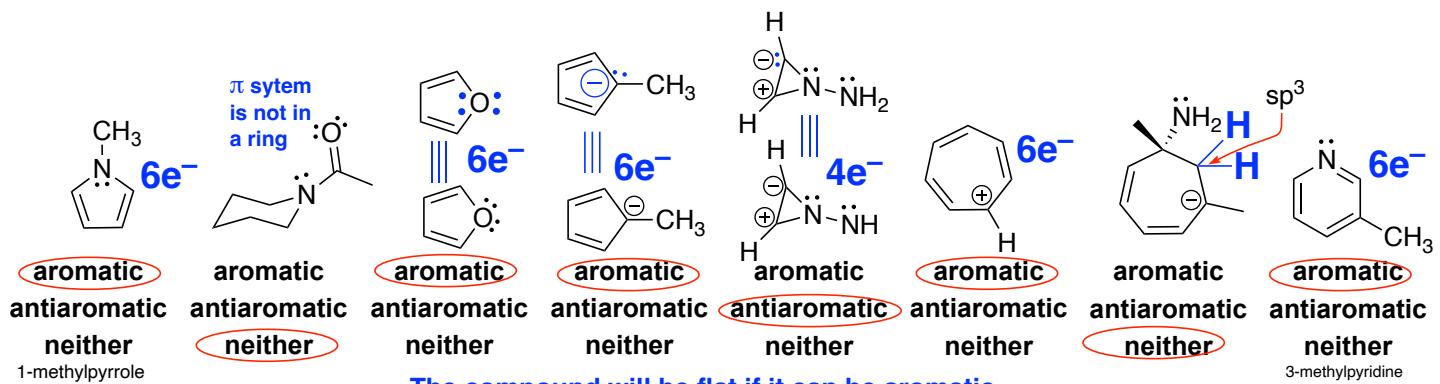
2. (15 pts) For the following reactions, give the major product.



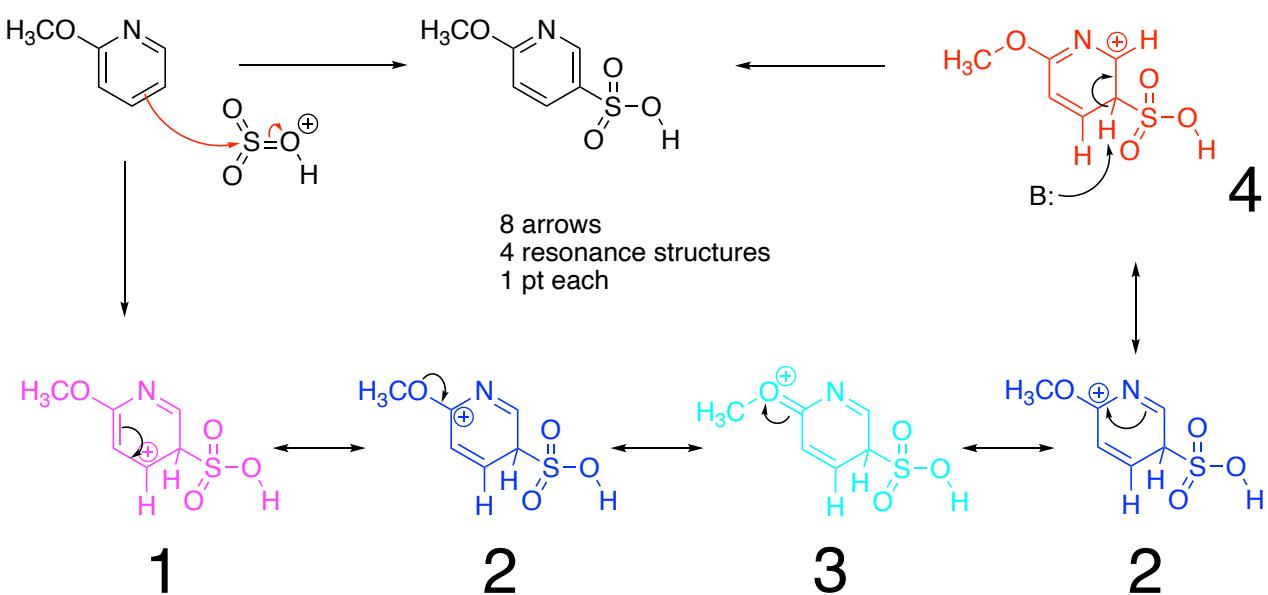
Fast E2!

3. (8 pts) Predict the major product of the Diels-Alder reaction below. Be sure to redraw the diene and dienophile appropriately as I had shown in class.





4. (12 pts) Draw a detailed arrow pushing mechanism for the following EAS reaction. For full credit, draw all 4 resonance structures that show distribution of charge in the intermediate. Note there are 4!



Did you draw all 4 resonance structures?

