Chem 332 Exam 3 2009 Prof. Fox 50 minutes 80 points

Show your work in detail

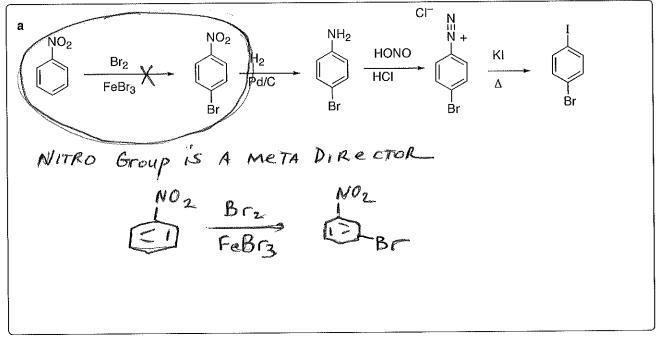
WRITE YOUR NAME ON EVERY PAGE

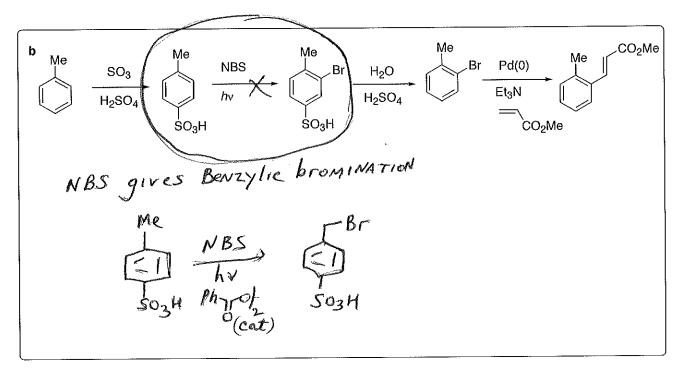
NAME



(8 points each)

There is a problem with each of the following syntheses.
CIRCLE the problematic step, and describe the problem in the space below in 30 words or less

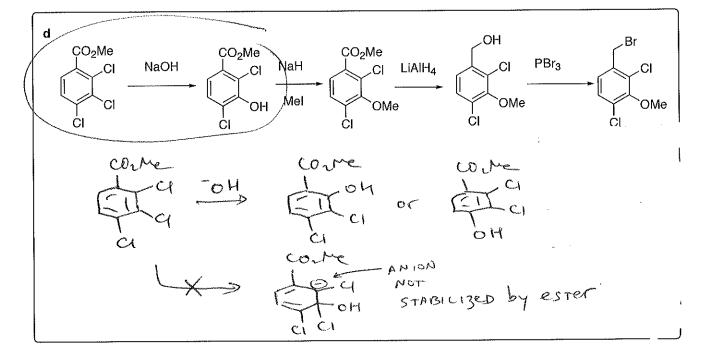




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NAME

- 2. There is a problem with each of the following syntheses.
- CIRCLE the problematic step, and describe the problem in the space below in 30 words or less

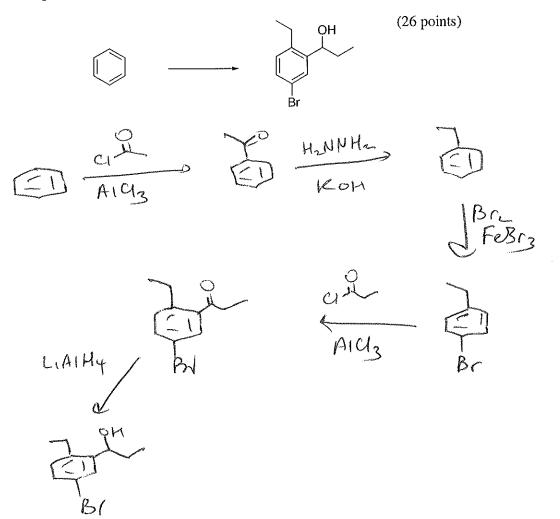


Nucleophilic Aromatic Substitution WILL TAKE PLACE FIRST AT THE OFTHO OF PARA POSITION, Substitution AT THE META POSITION WILL NOT GIVE A STABILIZED ANION

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NAME 0

Suggest a multistep synthesis, using benzene and any other materials that contain 5 carbons or less. Reagents that do not end up in the product (e.g. PPh₃) may contain more than 5 carbons.



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4. Provide a detailed arrow pushing mechanism. (2	22 points)	0

