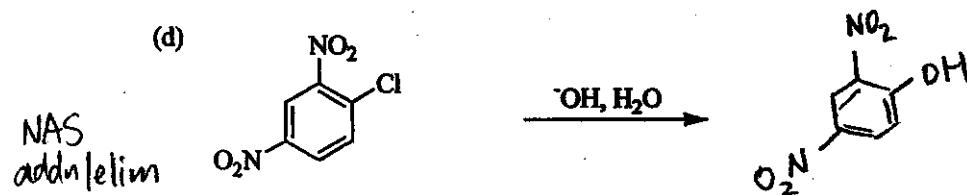
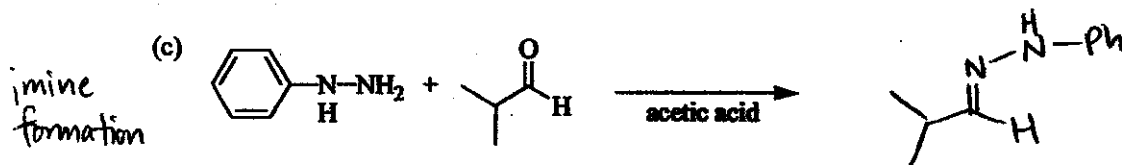
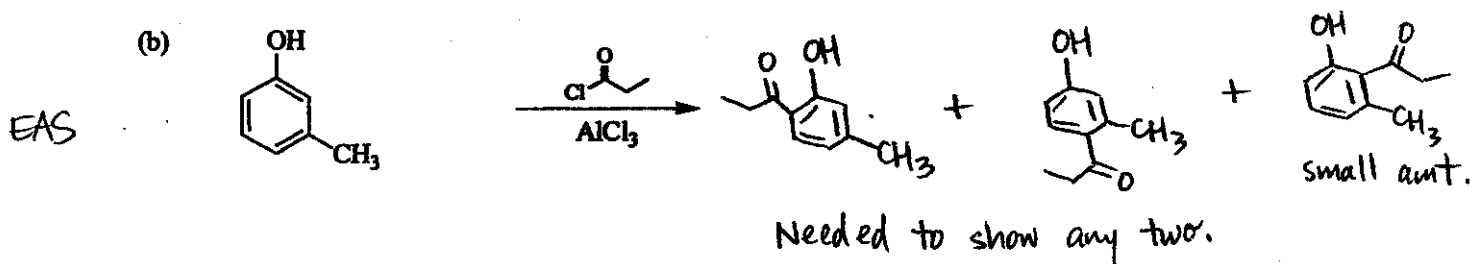
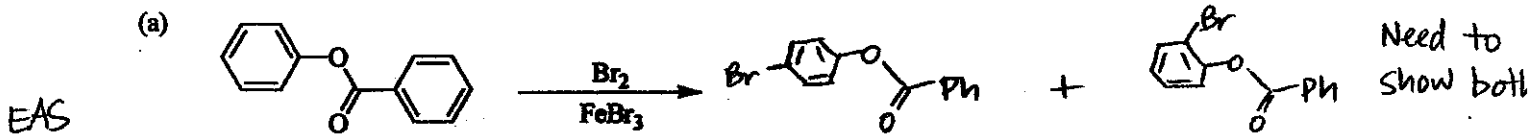


Name: KEY

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Exam II
Chemistry 3231
October 22, 2001

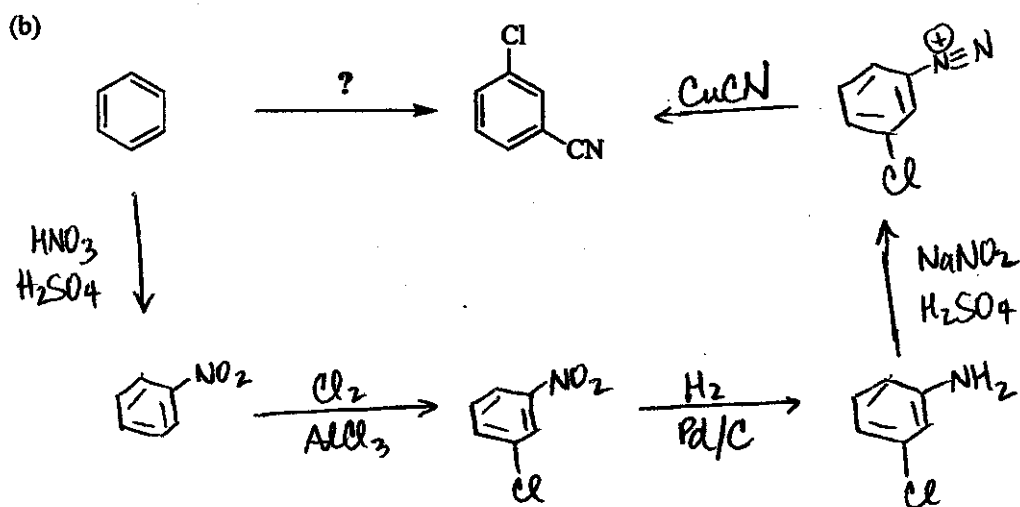
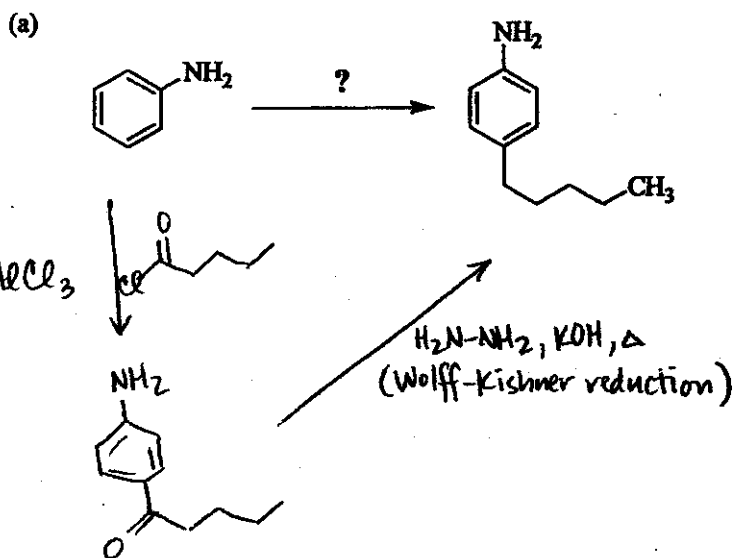
1. For each of the following, give the major organic product or products. Be sure to indicate stereochemistry where appropriate. Please box your answers. (6 pts. each, 30 pts. total)



Name: KEY

ID #: _____

2. Show the steps and intermediates for carrying out the following syntheses. Retrosynthetic analyses are not required, but may prove helpful in some cases. (10 pts. each, 20 pts. total)



The order of these steps can be changed slightly, and still get the final product.