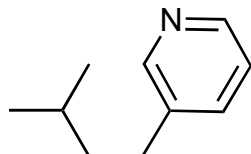
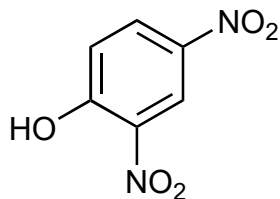
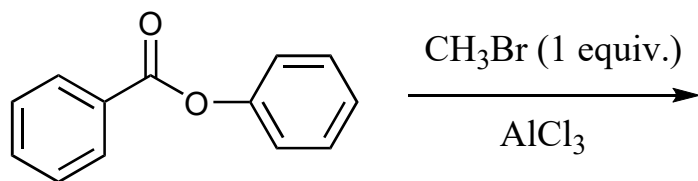


4A) Nomenclature (6 pts) Provide an acceptable name for each of the following compounds (there may be more than one correct answer, but give only one answer to be graded). **Show your work for full credit.**



4B) (8 pts) Under the reaction conditions given below, only one of the rings will undergo an electrophilic aromatic substitution reaction. Predict the major product, and briefly explain the *regiochemistry* of the reaction (i.e., how did you decide which ring to use, and where to add the group on that ring?).



Explain the *regiochemistry*. No drawings are needed.



4C) (6 pts) Which compound is the stronger acid (**A** or **B** or neither)? Explain, using appropriate drawings to support your answer. **No explain = no credit.**

