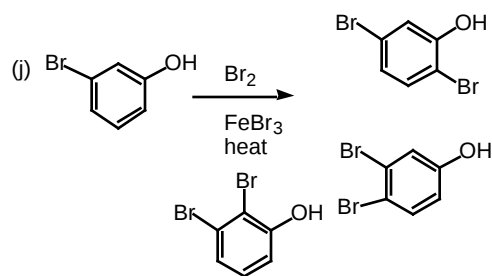
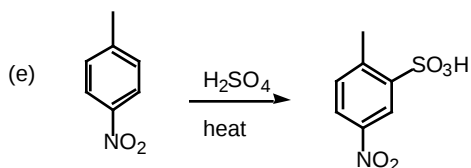
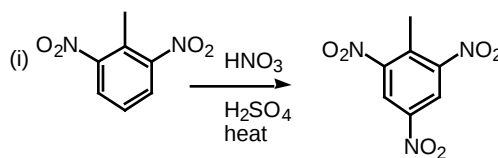
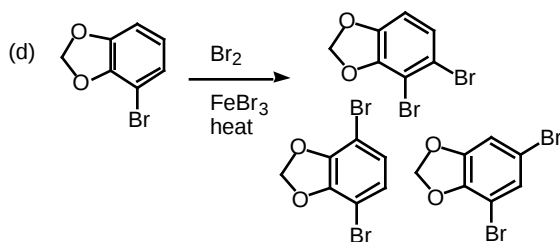
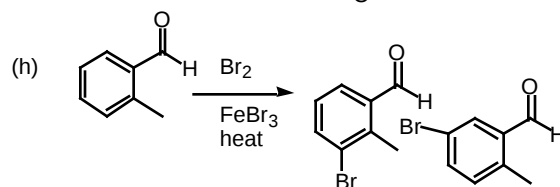
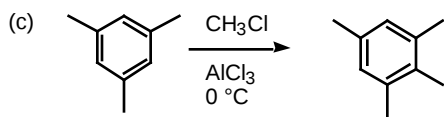
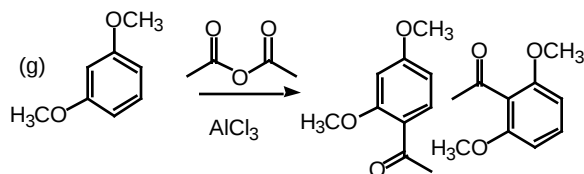
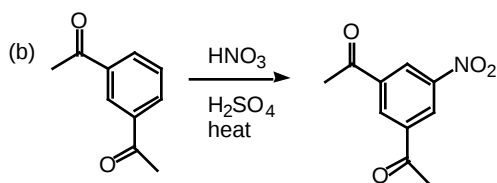
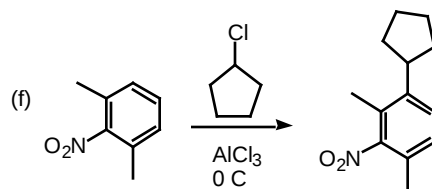
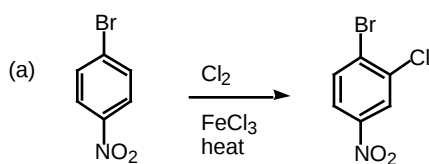
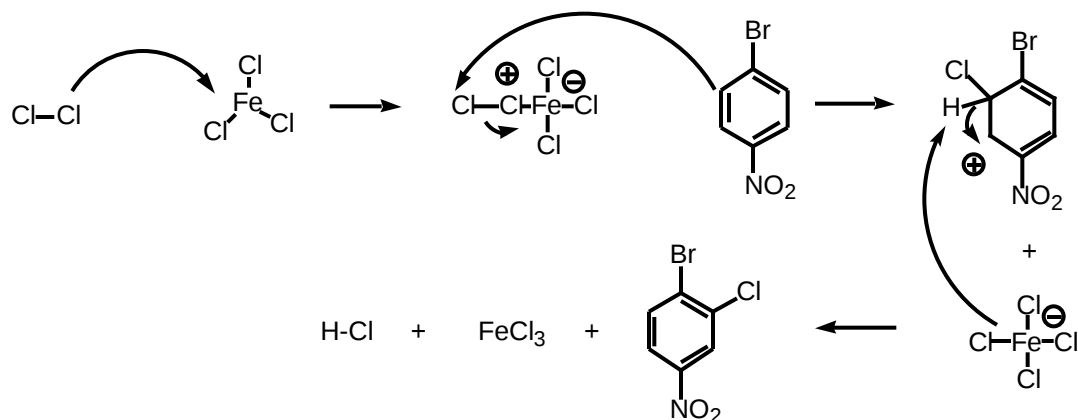


1. Show the major organic product(s) that would form from each of the following reactions: (20 pts)



2. For any one of the reactions shown in problem #1 above, show the mechanism of the reaction (for extra practice, show the mechanism for each one). (10 pts)



3. Show how you would synthesize each of the following compounds starting from benzene. (20 pts)

