

淡江大學 103 學年度轉學生招生考試試題

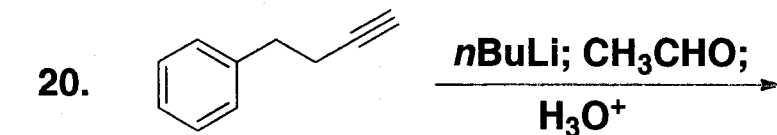
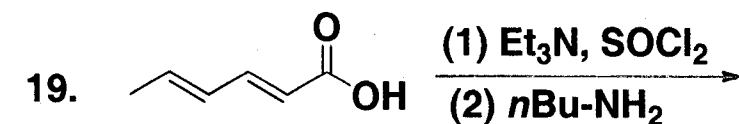
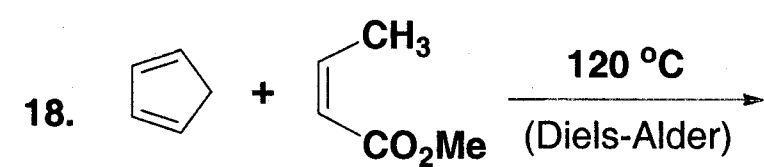
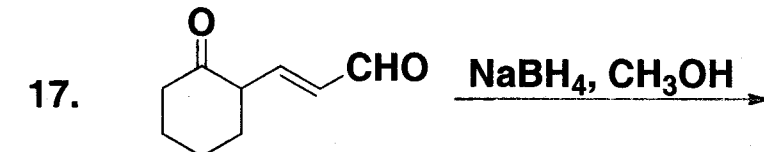
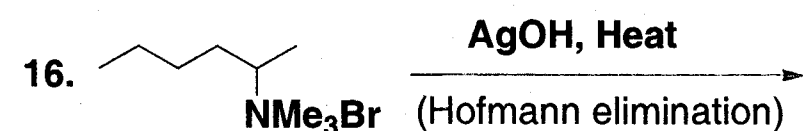
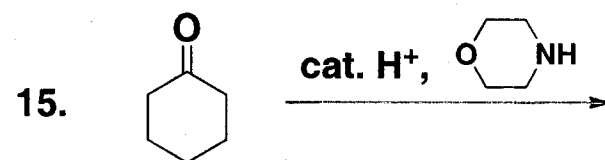
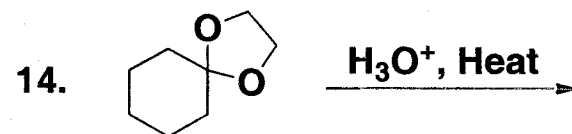
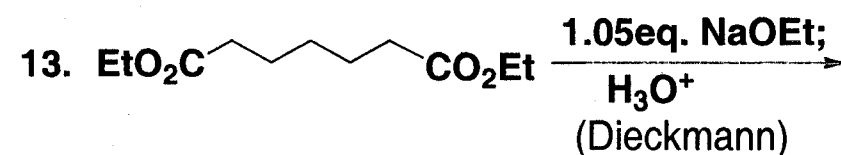
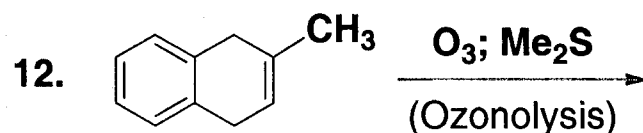
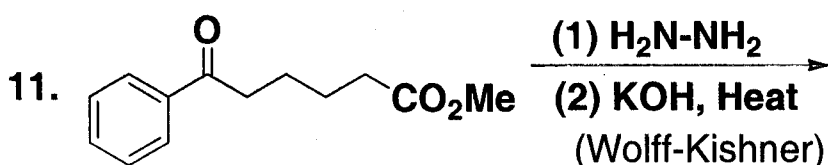
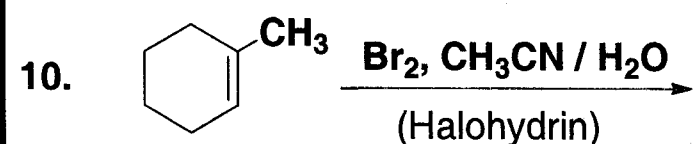
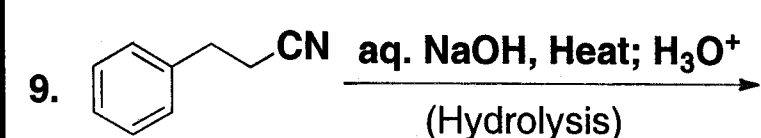
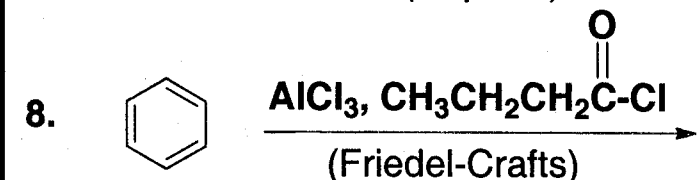
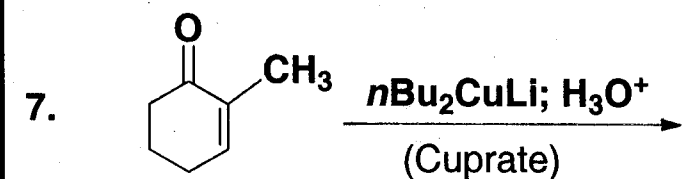
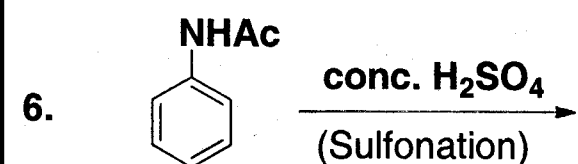
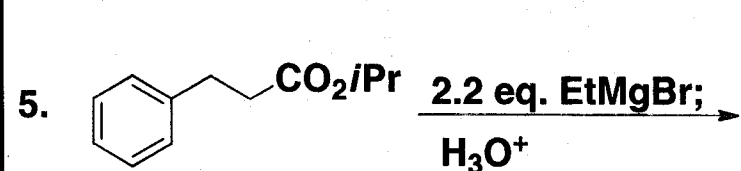
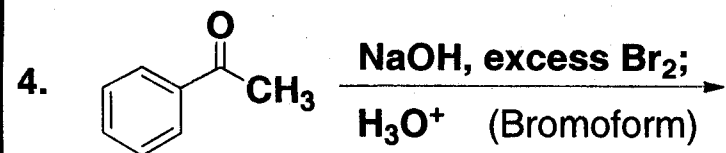
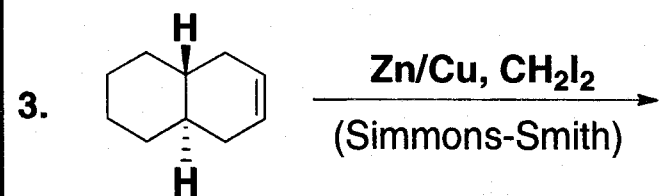
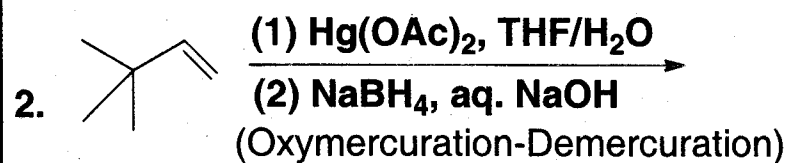
系別：化學學系三年級

科目：有機化學

本試題共 3 大題，2 頁

本試題雙面印刷

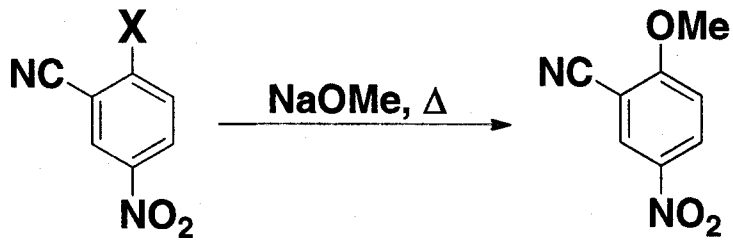
A. Show the major product of the following reactions and indicate the stereochemistry of product if necessary. (60 pts, 3 pts each)



背面尚有試題

B. Explanation (10 pts)

2. Explain the relative reaction rate of this aromatic nucleophilic substitution reaction.



Relative reaction rate of X



C. Propose the reasonable mechanisms of the following reactions and describe detailed with indicated arrows. (30 pts, 10 pts each)

