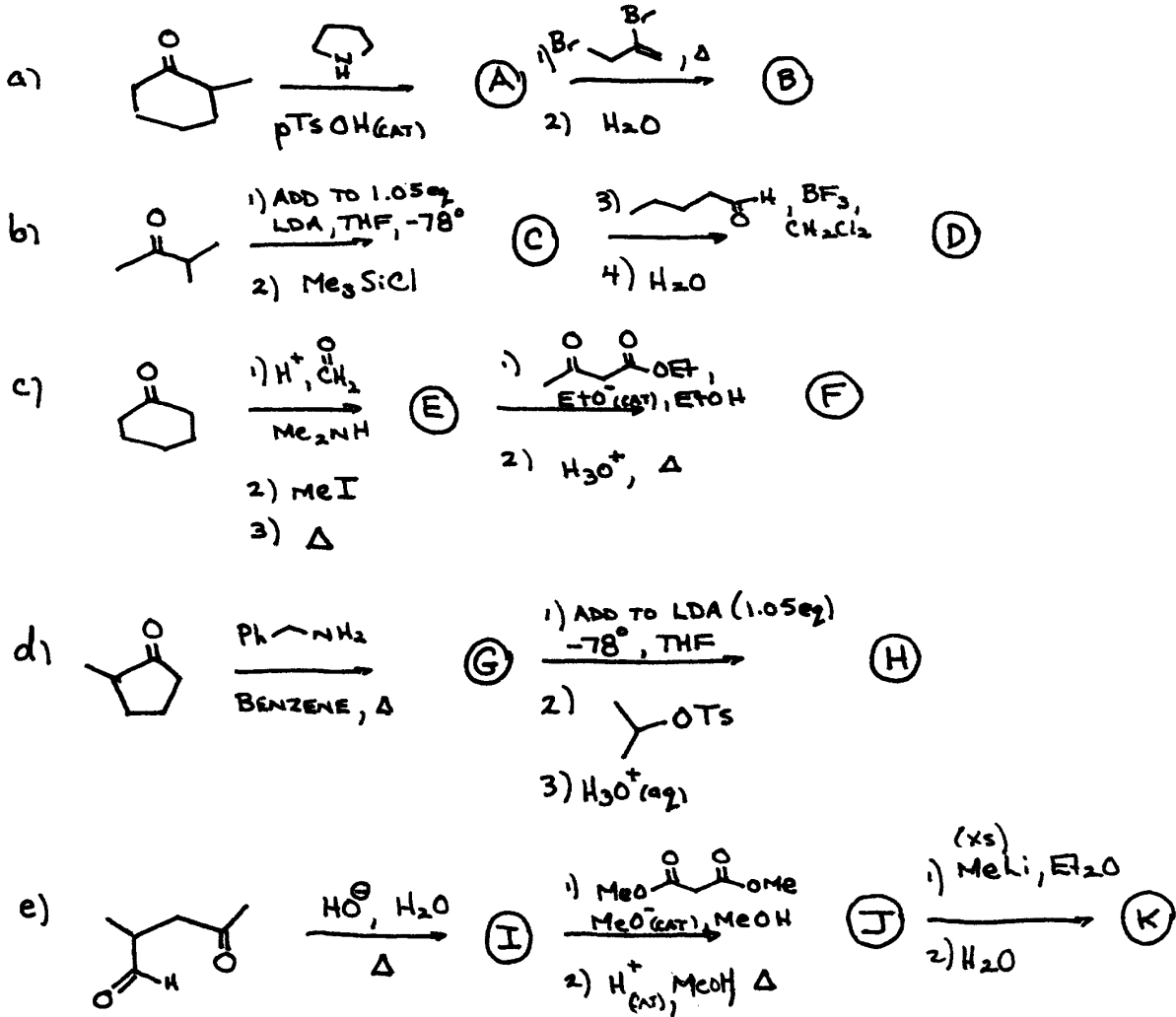
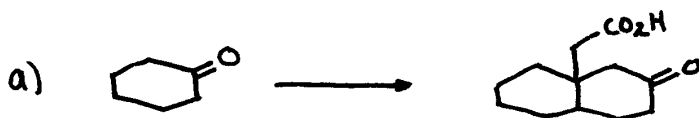
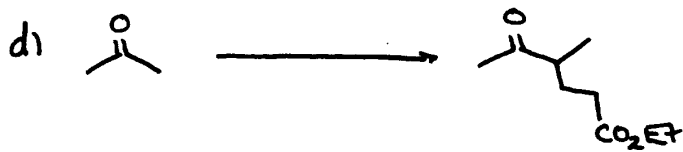


1. GIVE THE MAJOR PRODUCT(S) FOR THE FOLLOWING TRANSFORMATIONS. INCLUDE STEREOCHEMISTRY WHERE IT APPLIES. SHOW ANY ISOLABLE INTERMEDIATES.



2. SHOW BY EQUATION HOW YOU WOULD CARRY OUT THE FOLLOWING TRANSFORMATIONS. SHOW ALL ISOLABLE INTERMEDIATES. YOU MAY USE ANY OTHER REAGENTS YOU CONSIDER APPROPRIATE





CONSIDER POLYALKYLATION OF
SIMPLE ENOLATES TO BE A
PROBLEM HERE.