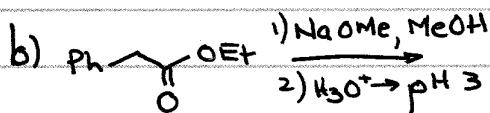
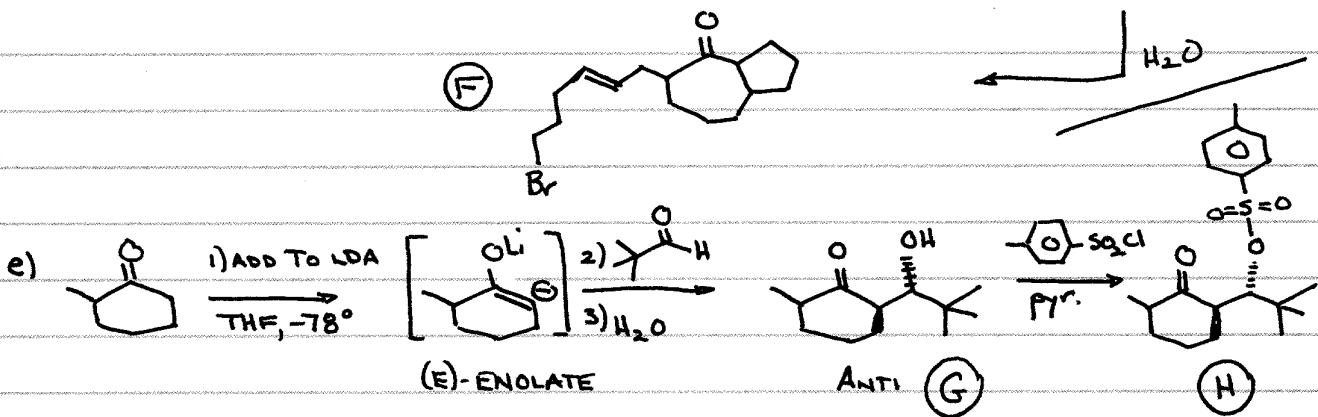
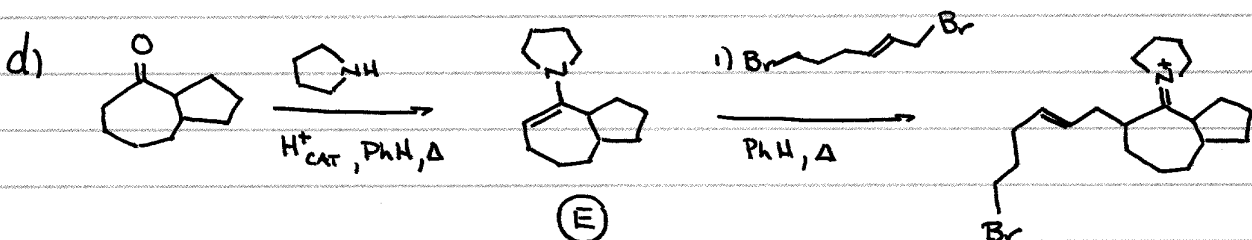
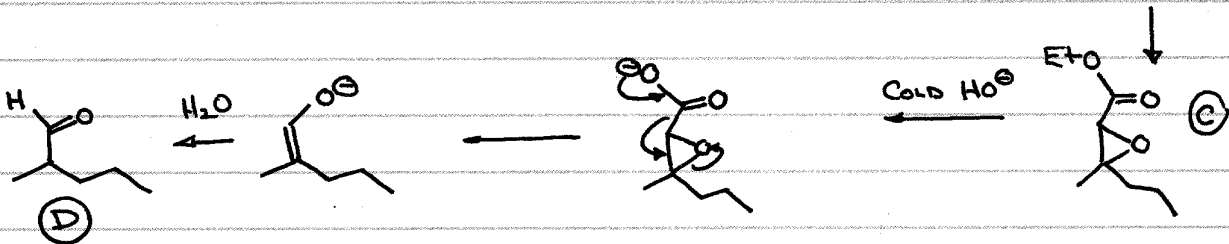
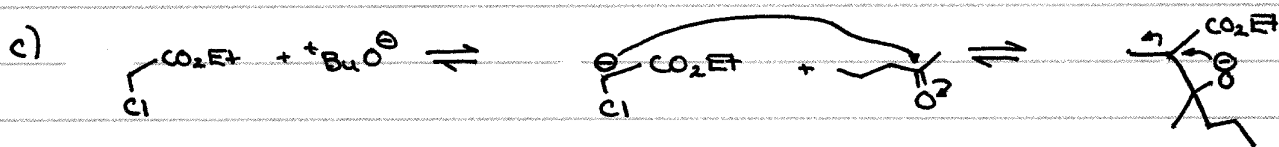


- OTHER ENOLATES EITHER GIVE 7-MEMB. RINGS (KINETICS OF RING CLOSURE DIS-FAVOURED, (b) OR CANNOT ELIMINATE WATER (d).

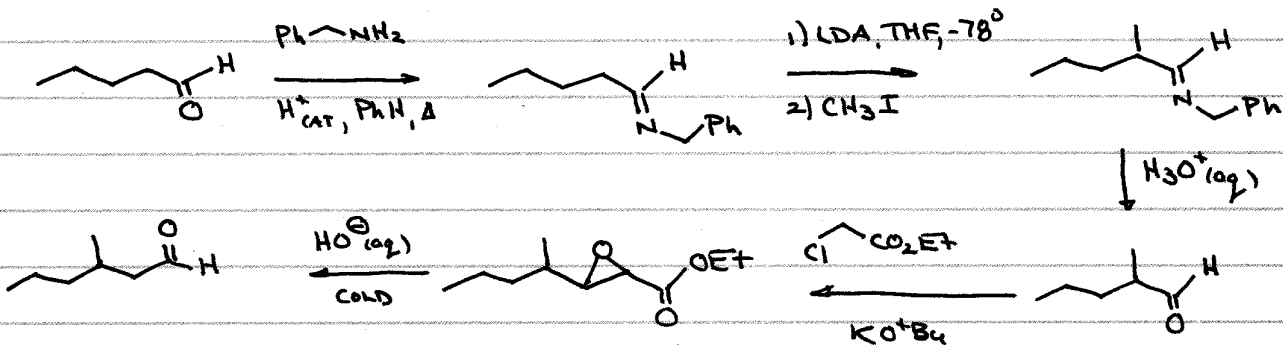


(B) DUE TO TRANSESTERIFICATION BY MeO<sup>-</sup>



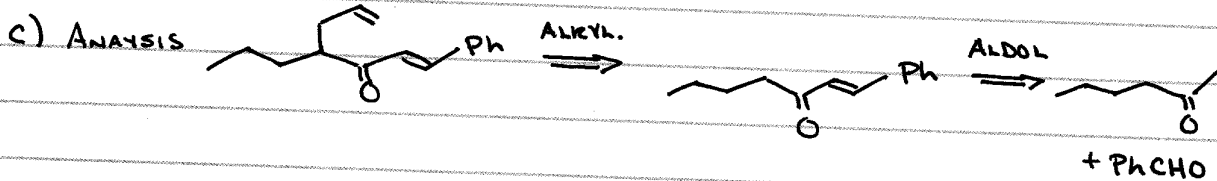
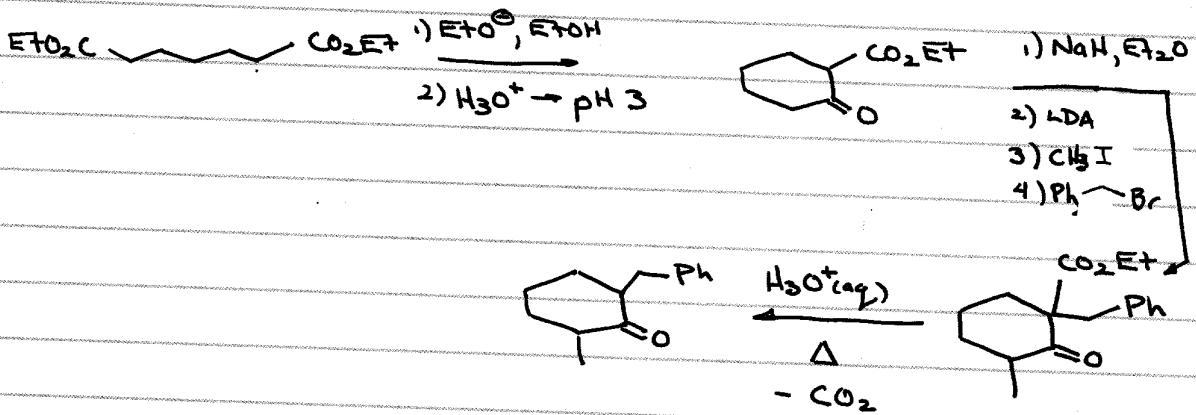
3a) KEYS: ALDEHYDE EXTENDED BY 1C  $\therefore$  DARZEN'S

: ALKYLATION NEXT TO ALDEHYDE  $\therefore$  NEED IMINE

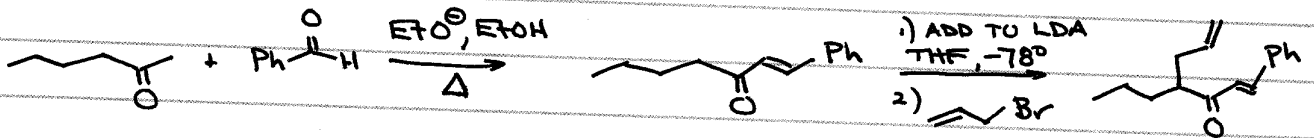


b) KEYS: FORMATION OF 6-MEMBERED RING BY DIECKMANN

MUST ALKYLATE ON EACH SIDE OF  $\beta$ -KETO ESTER, THEN DECARBOXYLATE



SYNTHESIS



BONUS:

