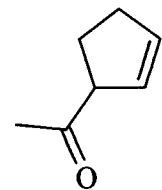
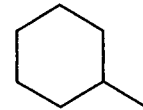


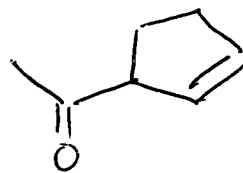
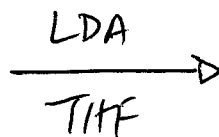
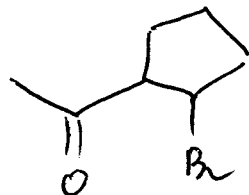
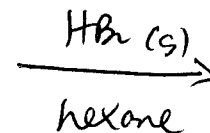
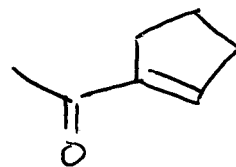
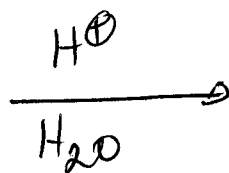
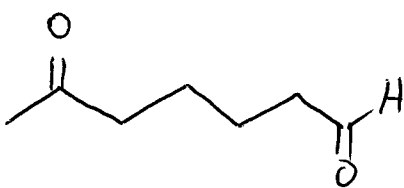
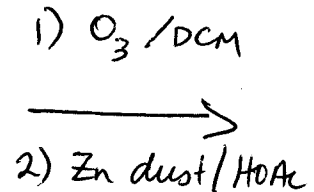
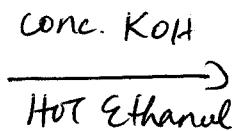
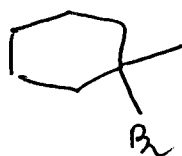
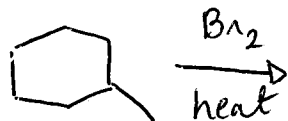
3. Propose a multi-step path that prepares compound A from compound B using any other reagents: (8 marks)



Compound A



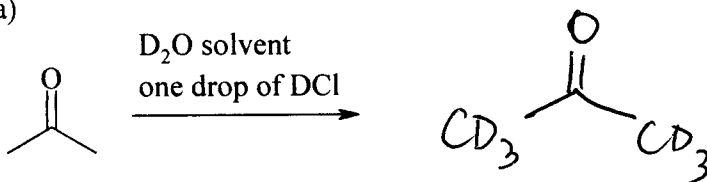
Compound B



This final step would have a low yield

4. Give the product or products of the following reactions: (4 marks)

a)



(product(s) containing 3 carbon atoms only)

b)

