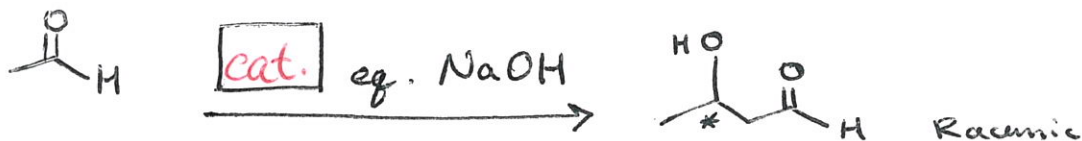
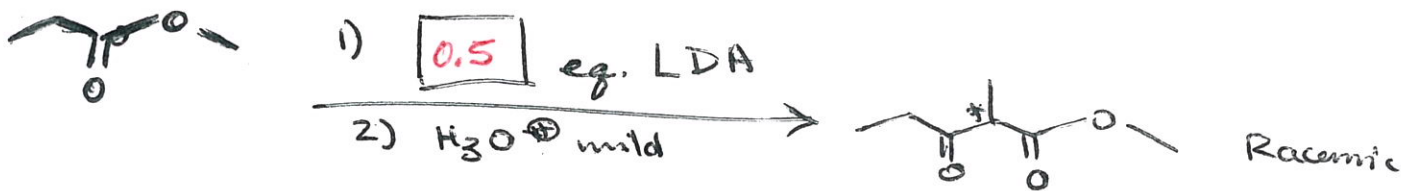
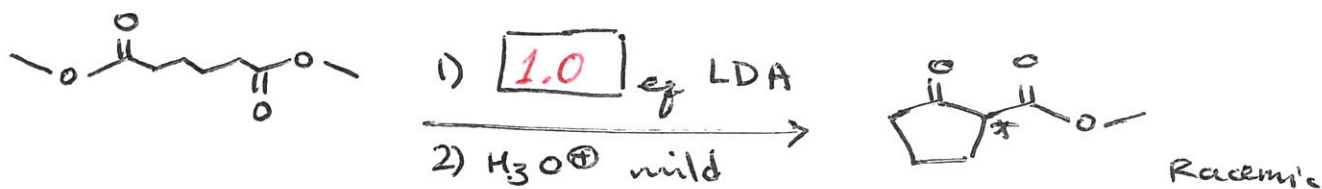
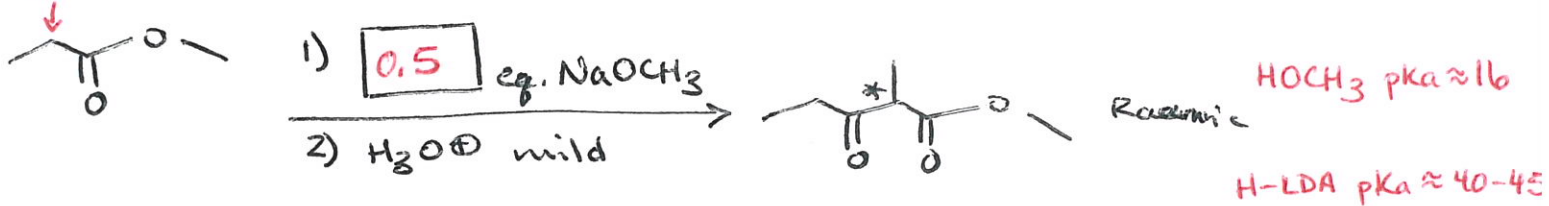


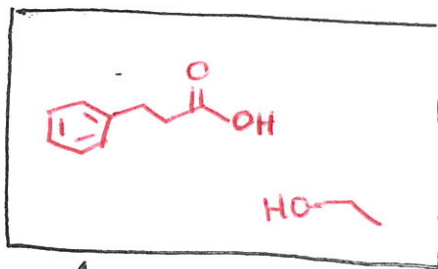
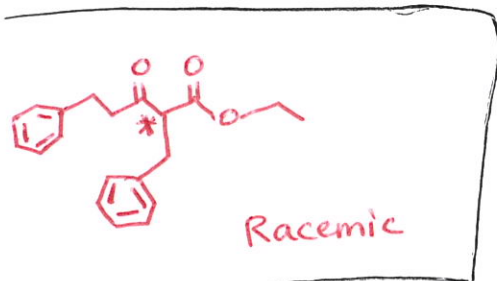
Fill in amount of equivalents:



$pK_a \approx 20-25$

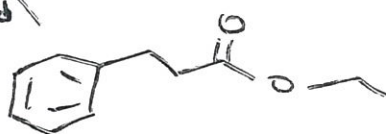


Predict the products:

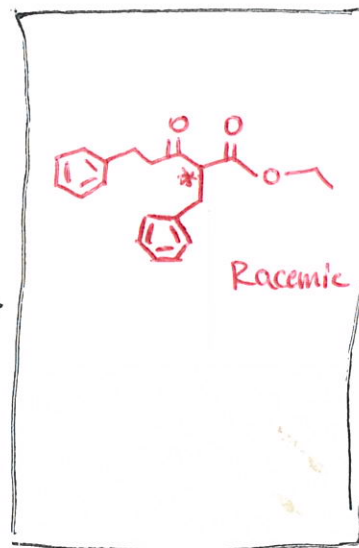


1) 0.5 eq. LDA  
2) H<sub>3</sub>O<sup>+</sup> mild

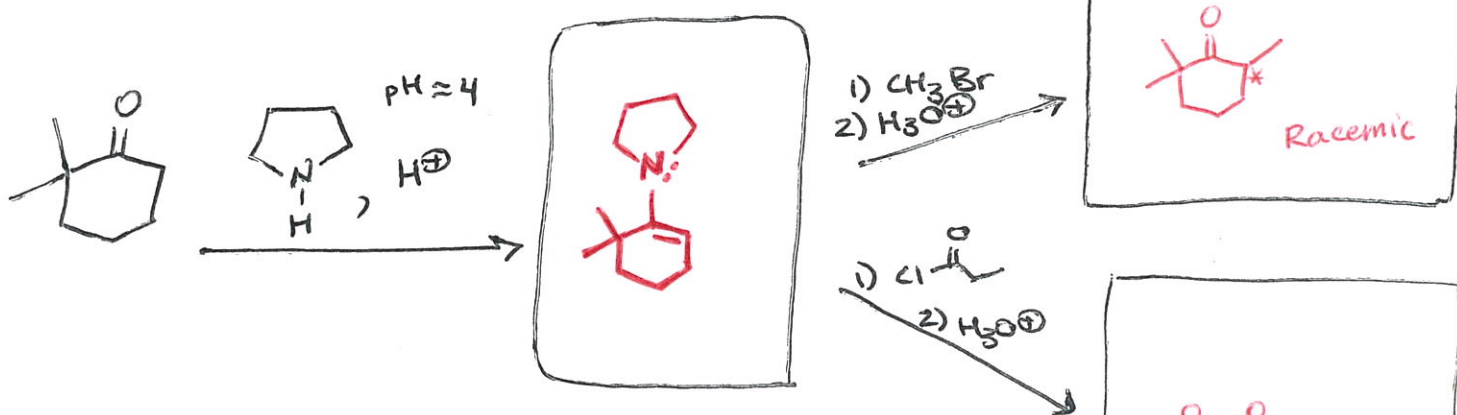
1) 1.0 eq. NaOH  
2) H<sub>3</sub>O<sup>+</sup> mild



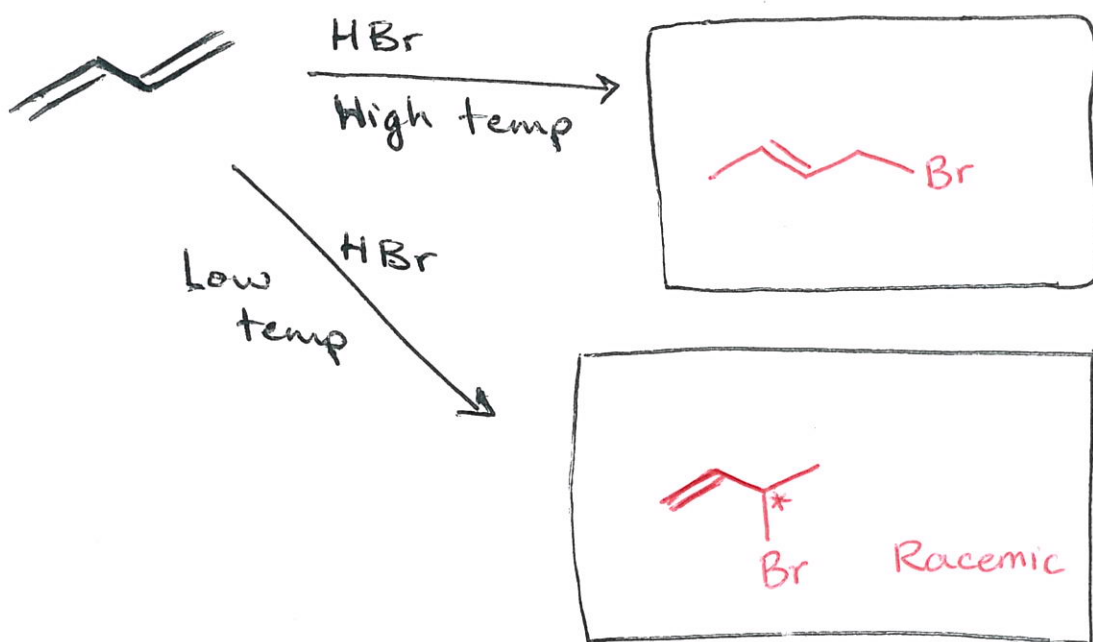
1) 0.5 eq. NaOEt  
2) H<sub>3</sub>O<sup>+</sup> mild



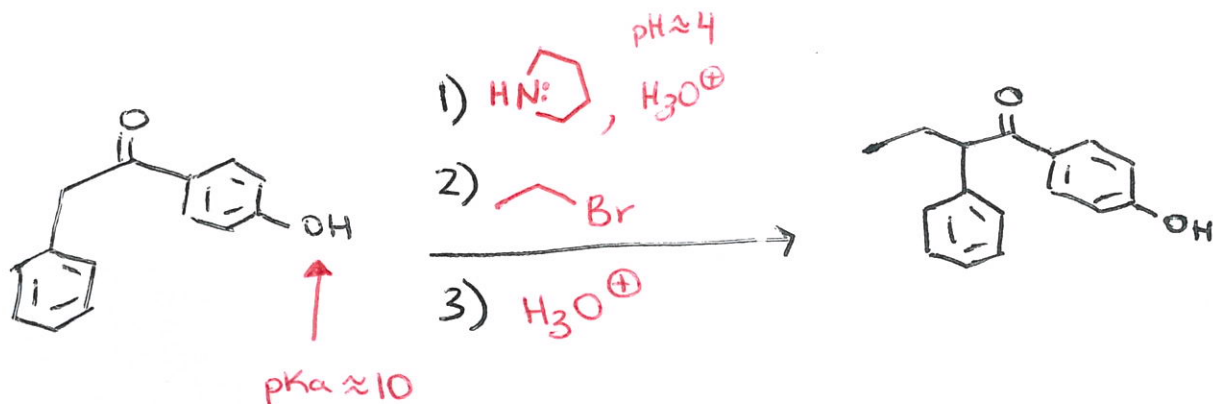
Predict the products:



Predict the predominant product(s):



Predict the Reagents:



\* can't use strong base because will deprotonate phenol

Name the Rxn and Choose the correct starting materials:

3

### Retrosynthesis

