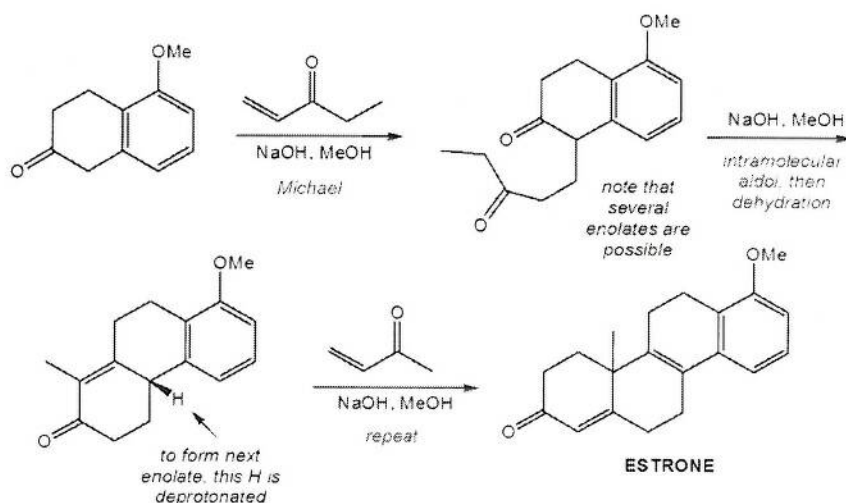
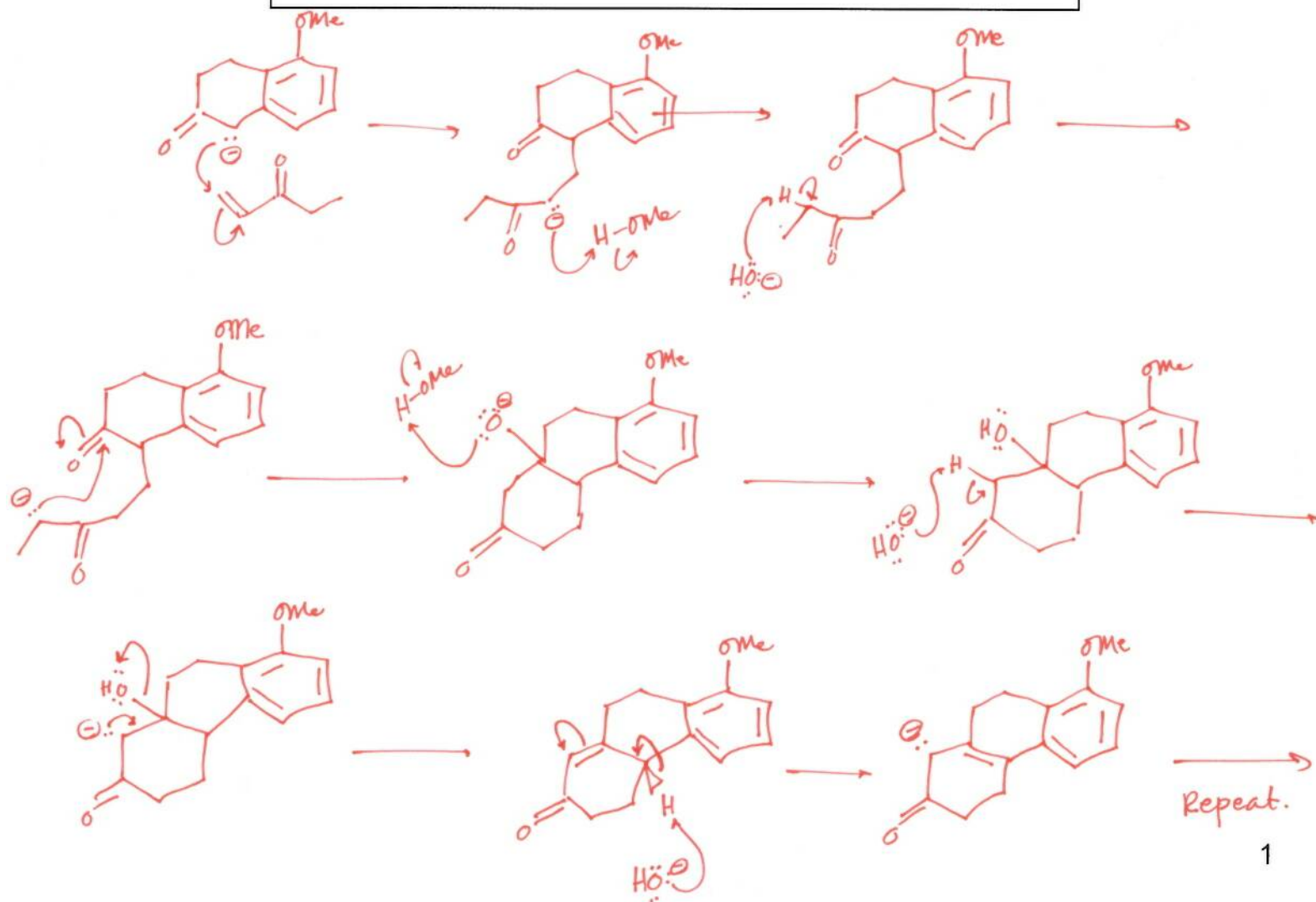


PRACTICE: Write a curved arrow mechanism for the synthesis of estrone shown below.

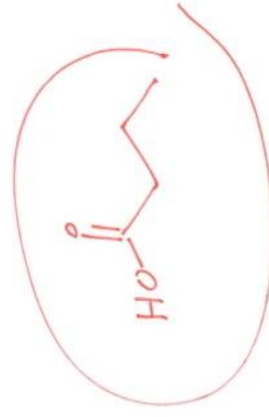
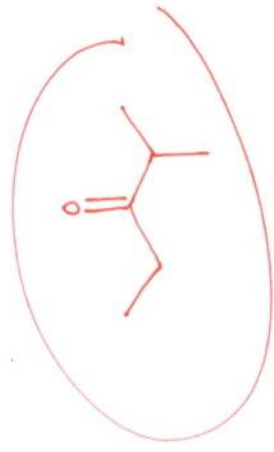
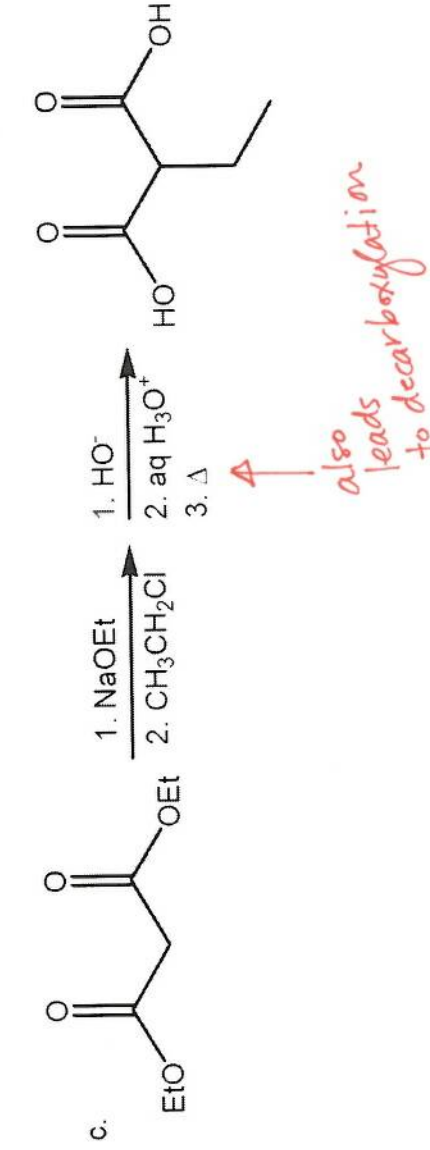
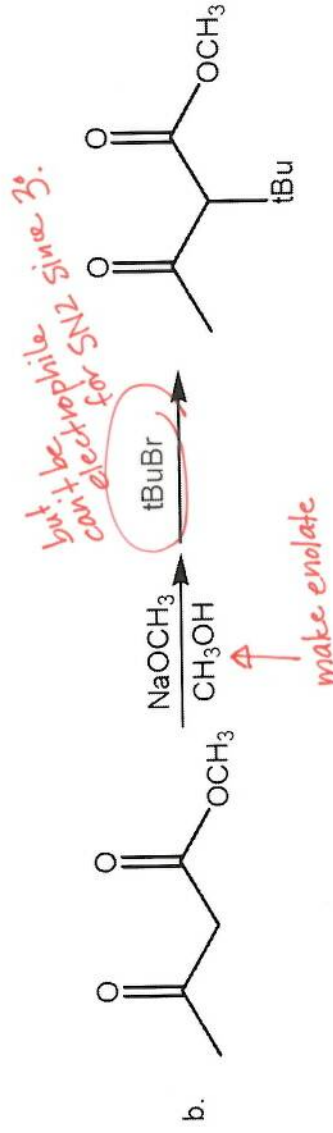
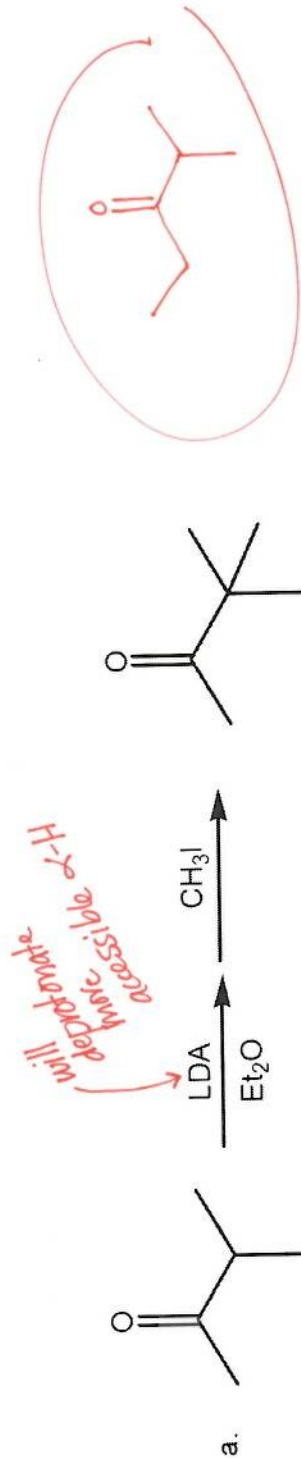


Michael followed by intramolecular aldol

called Robinson Annulation



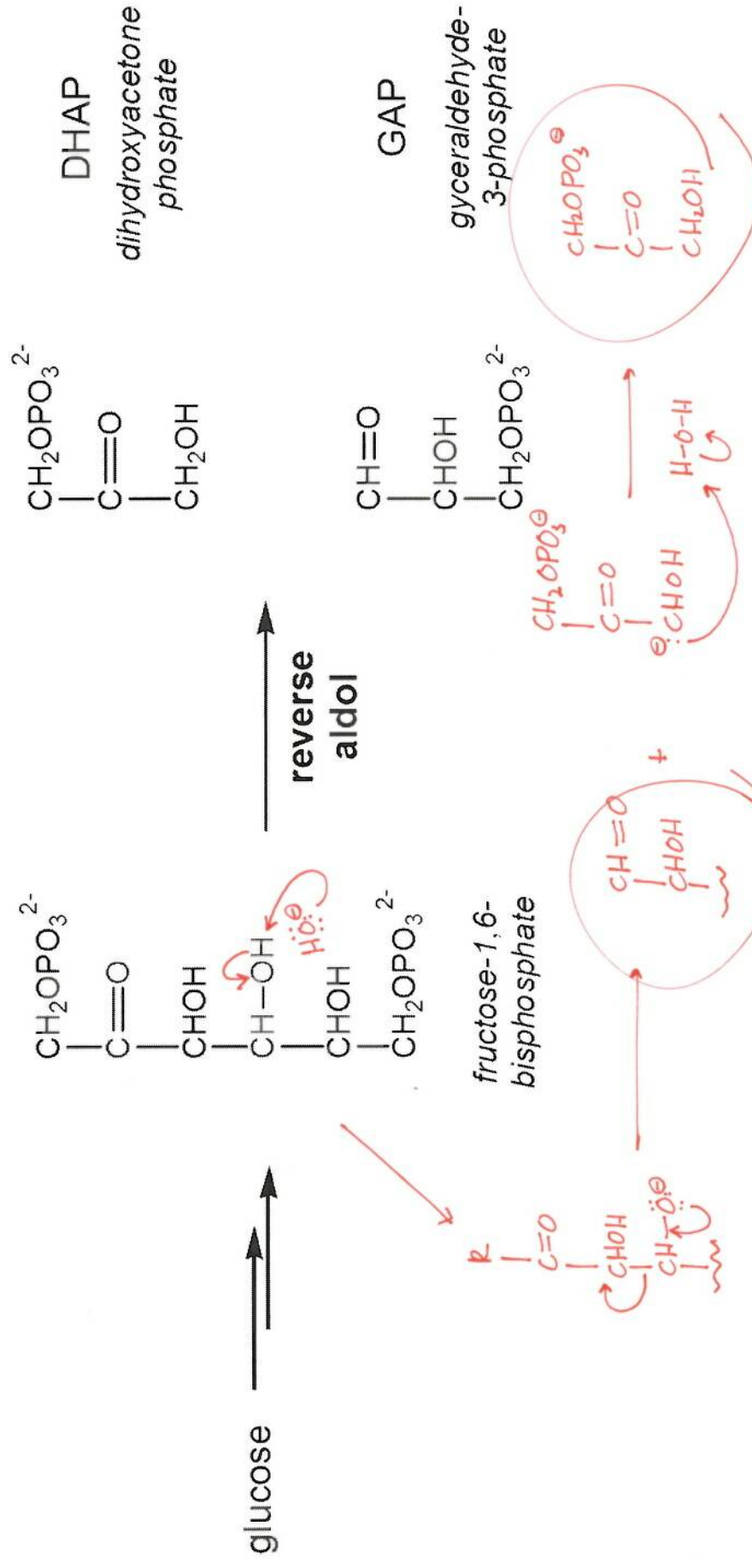
PRACTICE: Each of the following reaction schemes contains some sort of error. In each case, clearly identify all the error(s) and correct it/them.



PRACTICE: Glycolysis and the aldol reaction

Write a mechanism for the conversion of fructose-1,6-bisphosphate into DHAP and GAP?

Use $\text{H}_2\text{O}/\text{HO}^-$ to carry out the reaction. If you are having trouble, draw the mechanism for the forward aldol first.



Under physiological conditions, an enzyme known as an **aldolase** catalyzes the above reaction and negates the need for strongly basic anions like HO^- .