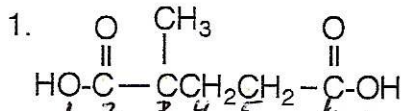
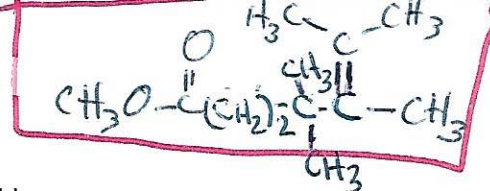


MAD ORG. CHEM "MIN." #268



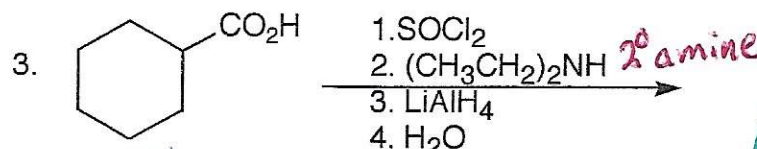
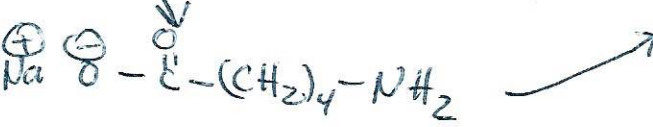
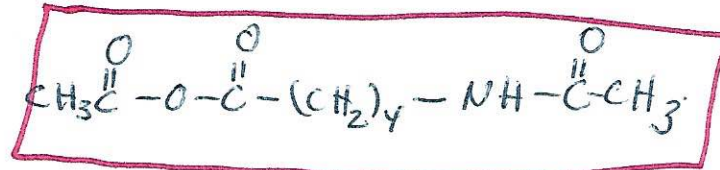
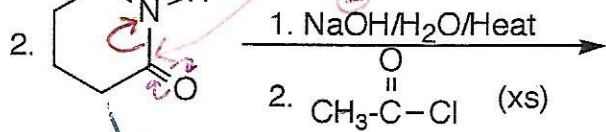
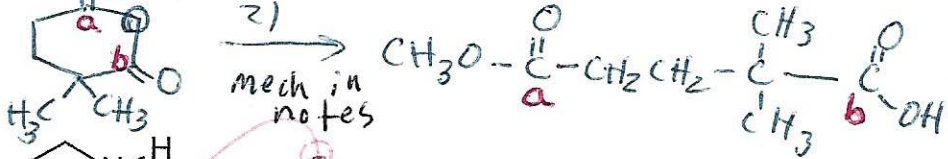
- Heat
- CH_3OH

3. SOCl_2

4. $(\text{CH}_3)_2\text{CuLi}$ ← doesn't react with ester

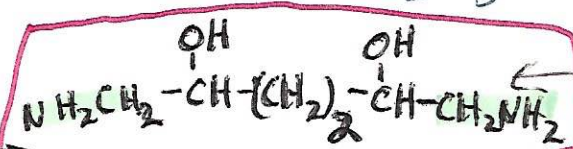
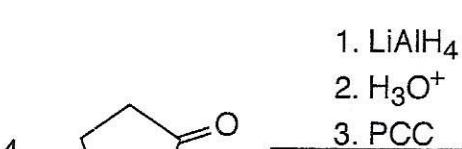
5. $(\text{C}_6\text{H}_5)_3\text{P}=\text{C}(\text{CH}_3)_2$

more reactive
less crowded



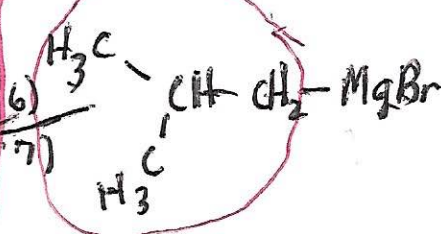
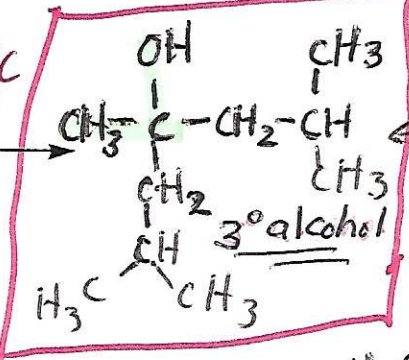
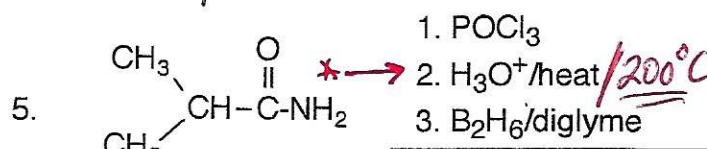
ONLY works!
with amide!

NOT ester,
acid or
anhydride



* NaCN/H^+

cyclic ester mech. in notes (except with RM_2X)



- PBr_3
- Mg/ether
- $\text{CH}_3\text{C}(=\text{O})\text{Cl}$
- H_3O^+

