HOMEWORK ASSIGNMENT #8 ORGANIC CHEMISTRY II

Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_/33

*Boxed in with no way out of major alcoholism*: Due 14 April

according to Carey, **Organic Chemistry** 6th edition, whatever oxidizes 1o ROH can oxidize 2o











pcc/CH2Cl2



K2Cr2O7/H2SO4

K2Cr2O7/H2SO4









 K2Cr2O7/H2SO4



 **No reaction**

 **(3o alcohols don’t oxidize**)

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 H+/reflux





 + + H2O







pyridine

 +

+ HCl

 **SOBr2**

 **pyridine**



 in dichloromethane

 **PBr3**



 reactant added neat as a bubbled gas



80% H2SO4/reflux

 and +H2O





**2**\_ **\_ H+/reflux**



 + **H2O**





Nao + neat +

 **H2**

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 Heat, weak base

 + + HCl

 product

 by-product







 + NaCN aqueous +



 KMnO4/heat/glacial acetic acid =**A**

**1)Benzaldehyde**





  **H+/ reflux**

2) **A** +

 + H2O





 C2H5MgCl

 +H+ /H2O Ether



**C**

3) **C** + t-butyl chlorosulfonate in KHSO4, then Li+ OCH3-

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