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**)

\_\_\_/9



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**

\_\_\_/14







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-

\_\_\_/10