HOMEWORK ASSIGNMENT #8 ORGANIC CHEMISTRY II

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

*Boxed in with no way out of major alcoholism*: Due Wed 23 April











K2Cr2O7/H2SO4



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H+/reflux



+ + H2O



pyridine

+

+ HCl



in dichloromethane

reactant added neat as a bubbled gas



80% H2SO4/reflux

+H2O and

\_\_



+



Nao + neat +

\_\_\_/14



Heat, weak base

+ + HCl

product

by-product



+ NaCN aqueous +

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

**1)Benzaldehyde**



2) **A** +

+ H2O

C2H5MgCl

+H+ /H2O Ether

**C**

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

\_\_\_/10