

Last Name:

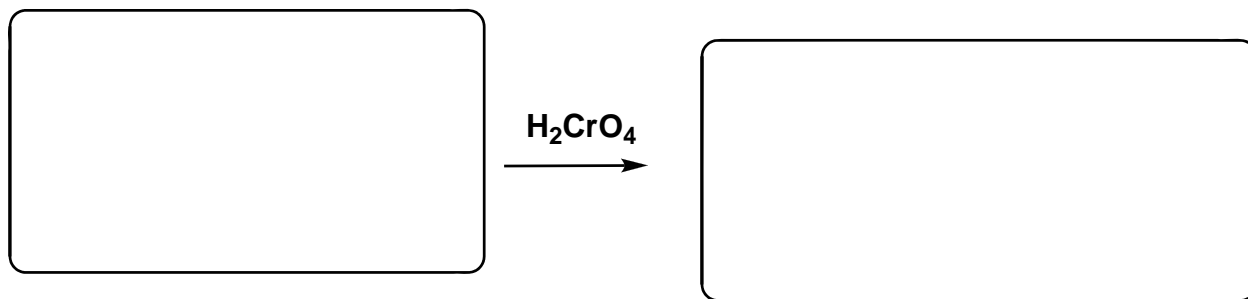
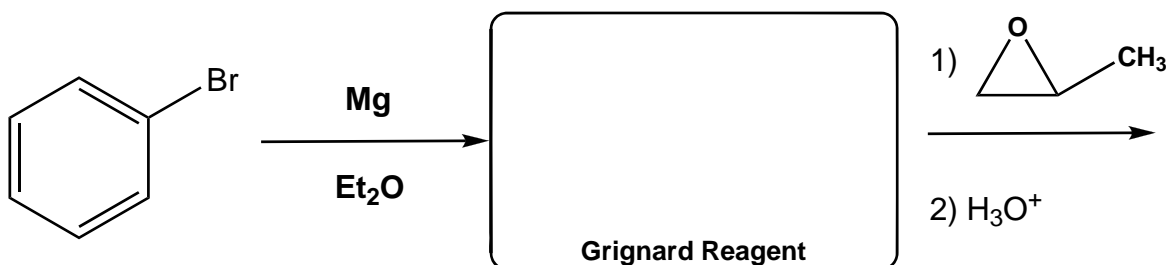
First Name:

UTEID:

SCORE:

Deadline for CH 318 POW 6: Oct 12, 2009 3:00 PM

Multi-step synthesis: Provide products for the following sequence of reactions. Draw each product in the box provided and indicate stereochemistry, if any is involved. (*Hint: refer to Rxn Summary handout*)



Must show correct *regiochemistry*

A
 $\text{C}_9\text{H}_{12}\text{O}$

B
 $\text{C}_9\text{H}_{10}\text{O}$



C
 $\text{C}_{10}\text{H}_{15}\text{N}$
(N-Methamphetamine)

1) CH_3NH_2
2) $\text{H}_2; \text{Ni}$

Mechanism: Provide a mechanism for the following transformation. Show all important flows of electrons, charges and intermediates. Where indicated, (in the structure-n-a- box)- draw the intermediates.

