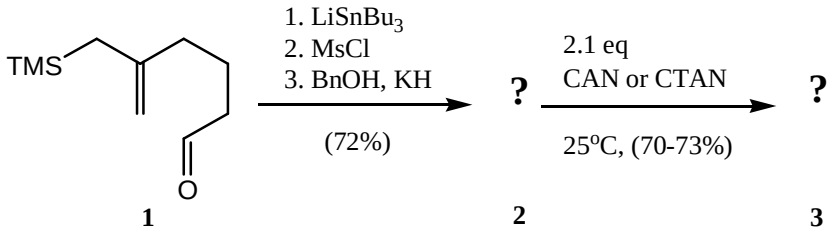
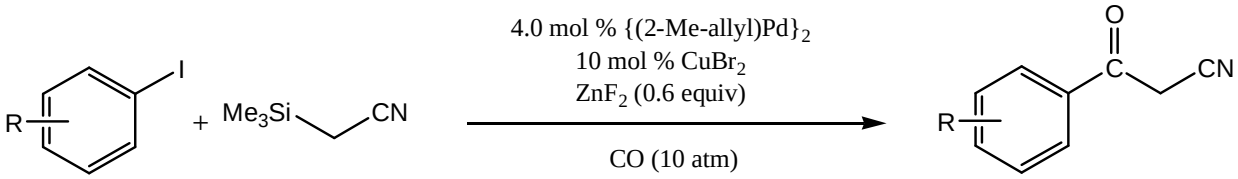
Problems, Feb 16th, 2012

Please propose reasonable mechanisms for the following reactions including possible intermediates.

1.



2.



R : Me, Et, OMe, F, Cl, Br, CN, CO_2Me, COMe, NH_2

41-83% yields