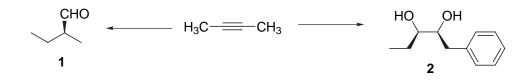
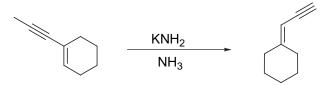
Chem 334, Professor Fox Problem Set #2 Use additional paper Due Wednesday February 26, 2003

1. Predict the product, and explain the stereochemical outcome

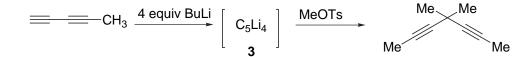
2. Provide multistep syntheses of 1 and 2, using 2-butyne and any other starting materials



3. Provide a mechanism



4. Provide a mechanism, and propose a structure for intermediate 3



5. Provide a structure and a mechanism for the formation of 4

