**EXERCISE #6: Practice Reacting Alkynes**

Organic Chem II Alfred State College

1. Pd black/Lindlar’s Only cis form





 + H2

1. acetic





acid

 + 2HBr

1. + \_2\_ Br2





 4)

OH-/H2O2





 BH3 in THF

5)Route to trans-only 2-hexene







6) Route to just

 (solvent) Trans only

 CH2Cl2





7) + Br2

8) Route to 1-bromo-1-butene (hint: an anti-Markovnikoff add)





9) Route to

