

Spring 2008

CBE 430  
Problem Set #1  
Due Friday, February 1

Read Chapters 1 and 2 in the textbook by Hill, start Chapter 3

1. Chapter 2, problem #3 - Acetylene equilibrium
2. Chp. 2, #7 –  $\text{SO}_x$  equilibrium
3. Chp. 2, #11 – Methanol synthesis (high pressure; use fugacities)
4. Chp. 3, #1 – Rate constant variation