

MA 327/ECO 327
Homework #1
Due Friday, August 31

1. Chapter 1, #3.
2. Chapter 1, #10.
3. Chapter 1, #16.
4. The Game of (n, k) , where n and k are positive integers, is a two player game. Begin with the number zero. Players alternately add a positive integer from 1 to k , inclusive, to the current running sum. The first player to exactly achieve the number n wins. We already discussed the answers to the following questions, but answer them briefly in your own words. Which player can force a win? What is a guaranteed winning strategy? Why does this strategy work?