

Assignment 1

Math 345, Prof. Shi

Due: Friday, Sept 7 (5pm), Jones 117

1. Page 29 problem 2b
2. Page 29 problem 2e
3. Page 30 problem 6d (you can either solve it by using matrix method (eigenvalue/eigenvector), or convert it to a 2nd linear equation)
4. Page 31 problem 9c
5. Page 31 problem 10
6. Page 33 problem 15
7. Write one example (100-200 words) of biological (or medical/ecological/economical/social) phenomenon that you are interested in, and a mathematical model may be used to quantify the phenomenon.