2 pts: show all of your work and submit your code to receive full credit

Homework #5 (due 10/19) by 11:59pm

1. (.5 pt) Exercise Question 4.2 in Fausett Section 4.5.2
2. (.5 pt) Exercise Question 4.3 in Fausett Section 4.5.2
3. (.5 pt) Exercise Question 4.4 in Fausett Section 4.5.2
4. (0.5 pt) Project Question 4.1 in Fausett Section 4.5.3

Provide written explanations, programmatic output, and/or answers for each problem. Also submit any code you have written for the problems.