Answers for PS12
Note: the first two questions’ material will not be included in the Final Exam.

Chapter 33
1a. Nancy: 4 miles per hour
    Michael: 9 miles per hour
b. Nancy: 1 mile per hour
    Michael: 9 miles per hour
c. Nancy: 4 mile per hour
    Michael: 4 mile per hour

Chapter 34
1a. 200(90-p)
    200(p-10)(90-p)
b. $50
c. 4000
d. $320000
e. after two years
    after two years is better for students who take the course in the first year of
    publication and plan to sell. After one year is better for the other students.

Chapter 35
1a. solve $W_B=2(W_B-p_B)$ to get $p_B=W_B/2$
b. solve $W_R=3(W_R-p_R)$, which gives $p_R=W_R/3$
c. $75$