Problem 7.1  
Table 7.13: Experimental Outcomes: Session 2  
Mean Price $15.00  
Total Number of Units Sold 23  
Total Profits of All Firms $230.00  
Total Consumers' Surplus $53.00  
Sum of Firms' Profits and Consumers' Surplus $283.00  

Problem 7.2  
Part a)  
At prices below $5, how many units will the firm supply? 0  
At prices above $5, how many units will the firm supply? 100  

Parts b and c)  
Figure 7.6: Competitive Supply and Demand  

Problem 7.3  
Table 7.14: Competitive Predictions  
Mean Price $5  
Total Number of Units Sold 33  
Total Profits of All Firms $0  
Total Consumers' Surplus $343  
Sum of Firms' Profits and Consumers' Surplus $343
Problem 7.4
Table 7.15: Monopoly Predictions
Mean Price $15
Total Number of Units Sold 23
Total Profits of All Firms $230
Total Consumers’ Surplus $53
Sum of Firms’ Profits and Consumers’ Surplus $283

Problem 7.5
Which of the two theories comes closer to predicting the results of Session 2? Monopoly Theory

Problem 7.6
Table 7.16: Experimental Outcomes: Session 3
Mean Price $10.30
Total Number of Units Sold 33
Total Profits of All Firms $175.00
Total Consumers’ Surplus $163.00
Sum of Firms’ Profits and Consumers Surplus $338.00

Problem 7.7
Which of the two theories comes closer to predicting the results of Session 3? Competitive Equilibrium Theory

Problem 7.8
Table 7.17: Experimental Outcomes: Session 4
Mean Price $12.73
Total Number of Units Sold 33
Total Profits of All Firms $255.00
Total Consumers’ Surplus $88.00
Sum of Firms’ Profits and Consumers’ Surplus $343.00

Problem 7.9
Part a) In which session did firms make larger profits? Session 4
Part b) In which session was total consumers’ surplus larger? Session 4
Part c) In which session was the sum of firms’ profits and consumers’ surplus larger? Session 4

Problem 7.10
Part a) The market efficiency of the experimental outcome in Session 2 = 83%
Part b) The market efficiency of the theoretically predicted outcome for a profit-maximizing monopoly in Session 2 = 83%