Problem 7.1
Table 7.13: Experimental Outcomes: Session 2
Mean Price $14.29
Total Number of Units Sold 24
Total Profits of All Firms $223.00
Total Consumers' Surplus $56.00
Sum of Firms' Profits and Consumers' Surplus $279.00

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 32
Total Profits of All Firms $0
Total Consumers' Surplus $327
Sum of Firms' Profits and Consumers' Surplus $327
Problem 7.4
Table 7.15: Monopoly Predictions
\begin{tabular}{|l|c|}
\hline
Mean Price & $15 \\
Total Number of Units Sold & 22 \\
Total Profits of All Firms & $220 \\
Total Consumers' Surplus & $47 \\
Sum of Firms' Profits and Consumers' Surplus & $267 \\
\hline
\end{tabular}

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
\begin{tabular}{|l|c|}
\hline
Mean Price & $10.63 \\
Total Number of Units Sold & 32 \\
Total Profits of All Firms & $180.00 \\
Total Consumers' Surplus & $147.00 \\
Sum of Firms' Profits and Consumers Surplus & $327.00 \\
\hline
\end{tabular}

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
\begin{tabular}{|l|c|}
\hline
Mean Price & $11.06 \\
Total Number of Units Sold & 32 \\
Total Profits of All Firms & $194.00 \\
Total Consumers' Surplus & $133.00 \\
Sum of Firms' Profits and Consumers' Surplus & $327.00 \\
\hline
\end{tabular}

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 = 85%
Part b) The market efficiency of the theoretically predicted outcome for a profit-maximizing monopoly in Session 2 = 82%