1. Assume a monopolist faces a market demand curve $p = 100 - 2Q$, and has a short-run total cost function $c(Q) = 640 + 20Q$. What is the profit-maximizing level of output? What are the profits? Graph the marginal revenue, marginal cost, and demand curves, and show the area that represents deadweight loss on the graph.

2. Perloff, fourth edition: problem 38 page 304
3. Perloff, fourth edition: question 2 page 380
