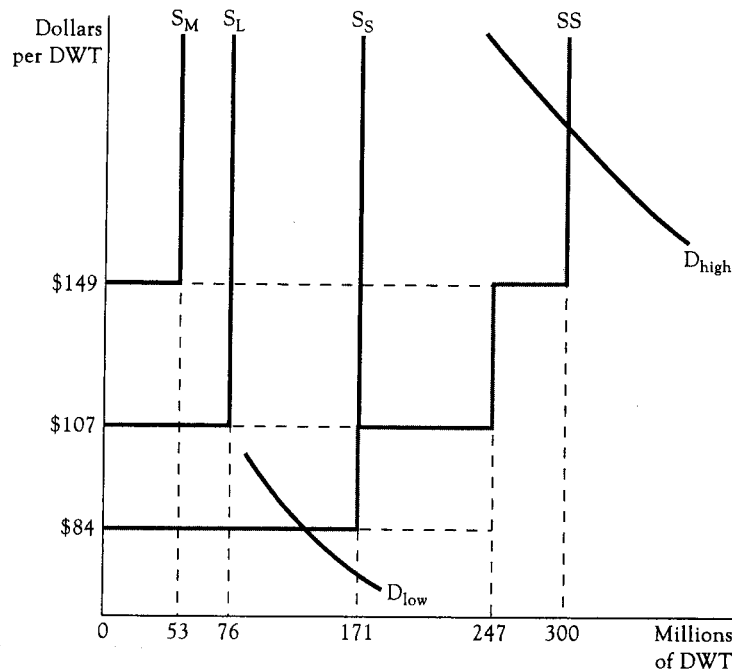


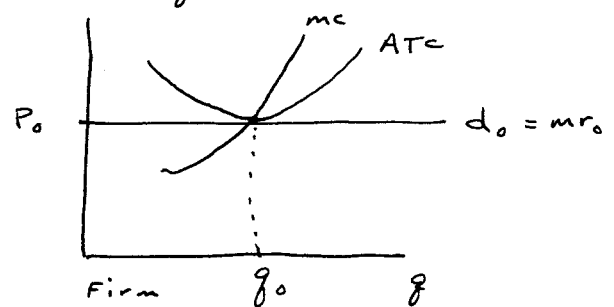
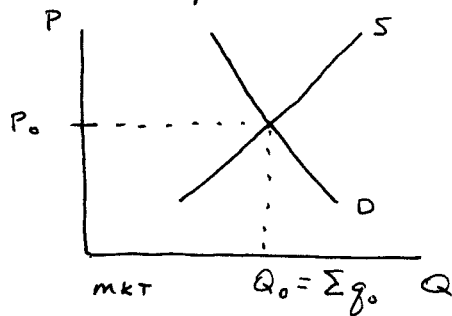
1.



2. FALSE. Producing that output where ATC is at a minimum will maximize profit per unit, not total profit. Total profit is maximized by expanding output up to the point where $MR = MC$.
3. (a) automobiles - no. small number of large suppliers; differentiated product; significant barriers to entry.
- (b) cable TV - no. monopoly supplier; insurmountable barriers to entry.
- (c) soybeans - yes. large number of suppliers, each one small relative to the market; homogeneous product; insignificant entry barriers.

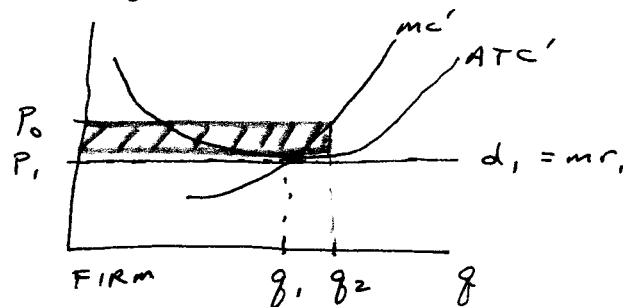
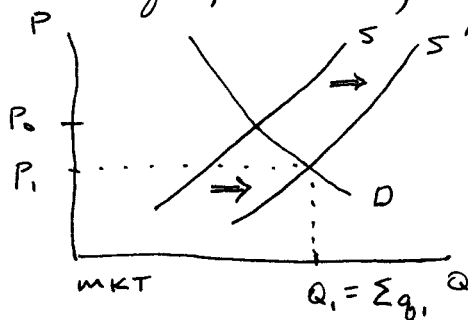
4.

Industry is currently in LR equilibrium:



current soybean farmers are earning a normal return — zero economic profit.

If an improvement in technology causes the cost of producing soybeans to fall:



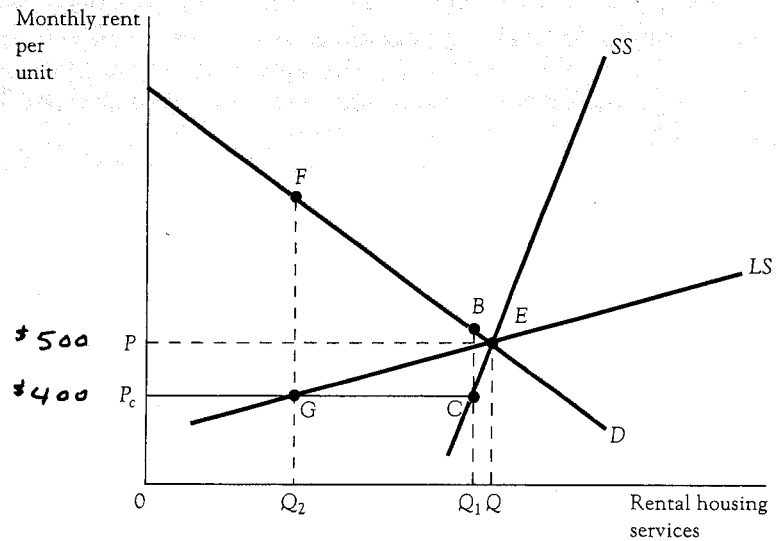
Existing soybean producers will earn positive economic profits in the short run after they adopt the new cost-reducing technology. Economic profits will attract new firms into the industry, causing the market supply curve to shift to the right and price to fall. Long-run equilibrium is restored when price falls to P_1 , and economic profits are zero.

5. See p. 273 in textbook:

FIGURE 10.7

Supply Elasticity and the Deadweight Loss of Rent Control

With the rent ceiling P_c , the reduction in output in the short run is small, from Q to Q_1 , along the short-run supply curve SS . The associated deadweight loss, triangular area BEC , is also small. The long-run effects of the rent ceiling are more significant. Output declines to Q_2 along the more elastic long-run supply curve LS . The associated deadweight loss is depicted by triangular area FEG .



For discussion of short-run and long-run economic distortions in the market for apartments, see Browning + Zupan, ch. 2, pp. 27-31.