

12. Correct. The answer is true. $MR = 70 - 10Q = MC = 57 - 4Q \Rightarrow Q = 2.167$. $P = 70 - 5 * 2.167 = 59.165$ and profits = $59.167 * 2.167 - 10 - 57 * 2.167 + 2 * 2.167^2 = 4.083$.