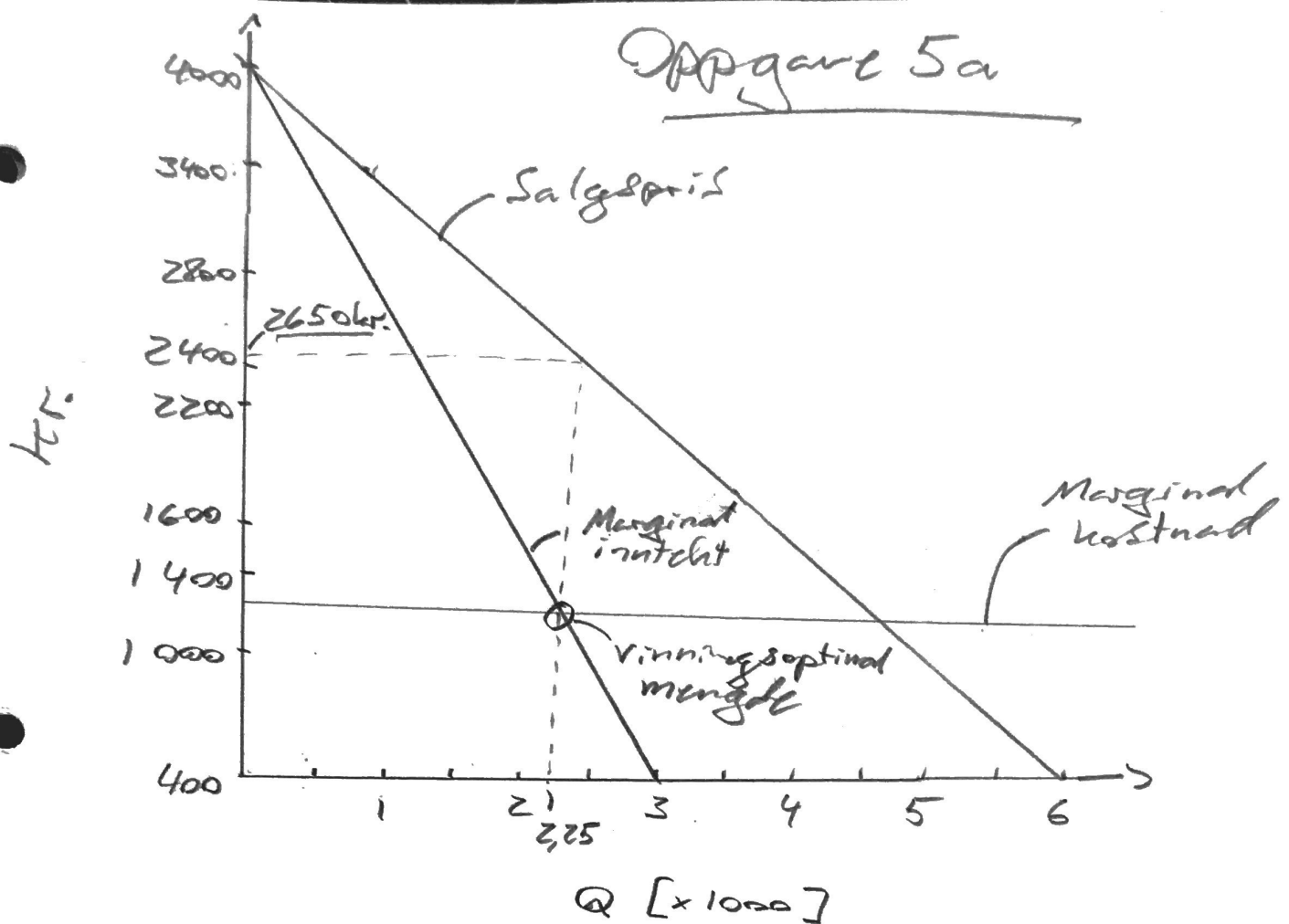


Oppgave 5a



$$FK = 2,5 \cdot 10^6$$

$$VK = 1300 \cdot Q$$

$$P = 4000 - \frac{6}{10} Q$$

$$TI = P \cdot Q = 4000Q - \frac{6}{10} Q^2$$

$$MI = \frac{d}{dQ} TI = 4000 - \frac{6}{5} Q$$

$$MI = MK \rightarrow 4000 - \frac{6}{5} Q = 1300$$

$$\text{Vinningsoptimal mengde} \} \rightarrow \underline{\underline{Q = 2250}}$$

$$\underline{\underline{\text{Salgspris} = P(2250) = 2650 \text{ kr}}}$$

Oppg. 5b)

Profit = total inntekt - total kostnader

$$= P(q) \cdot q - VK(q) - FK$$

$$= 2650 \cdot 2250 - 1300 \cdot 2250 - 25 \cdot 10^6$$

$$\text{Profit} = 537\,500 \text{ kr}$$
