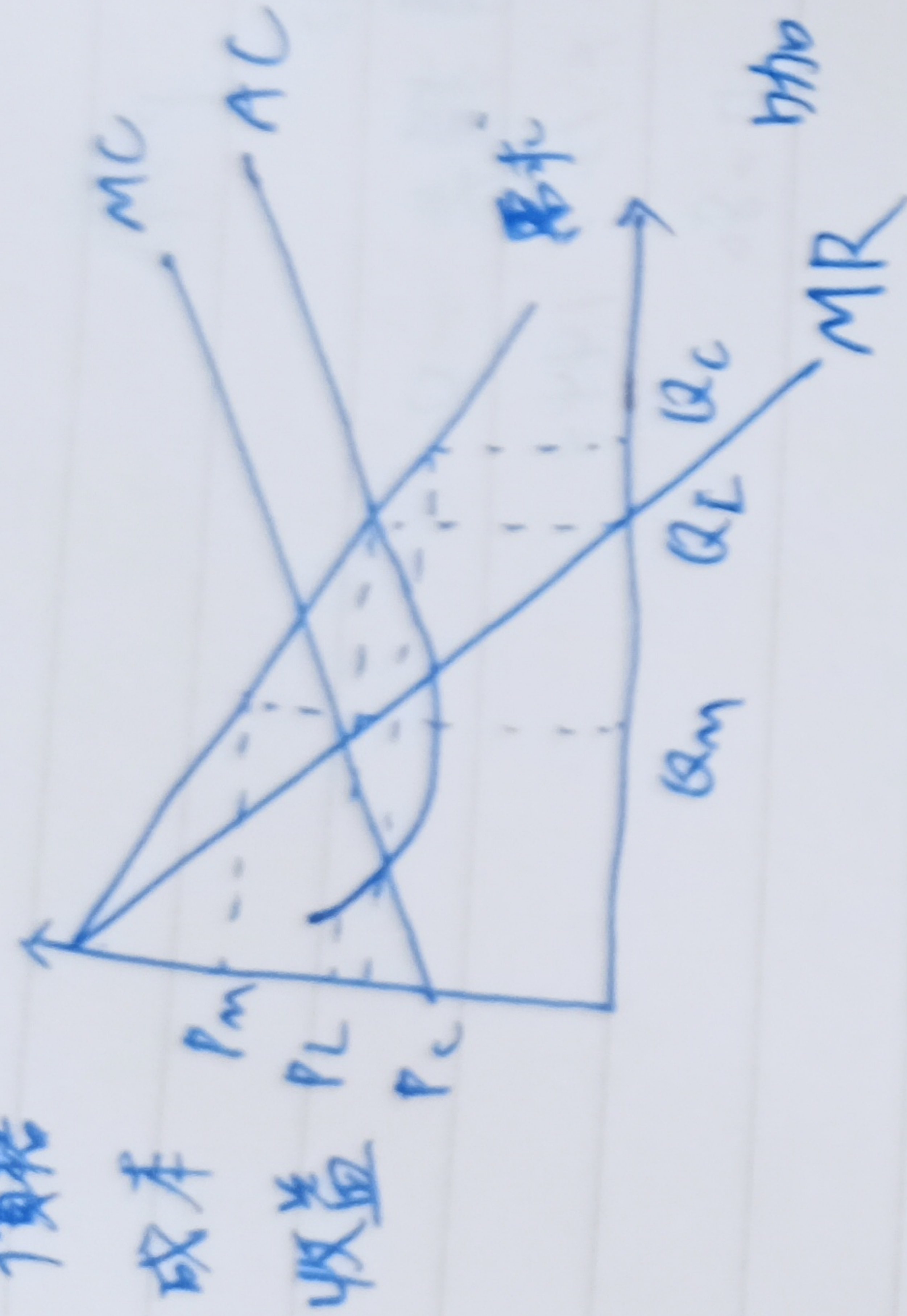


1.

價格

成本

收益



咖啡杯數

2. (a) $a - 2bQ = c + eQ$

$$Q = \frac{a-c}{2b+e}$$

At this quantity price is $P = a - b \left(\frac{a-c}{2b+e} \right)$
 $P = \frac{ab + ae + bc}{2b+e}$

(b) since $Q = \frac{a-c}{2b+e}$

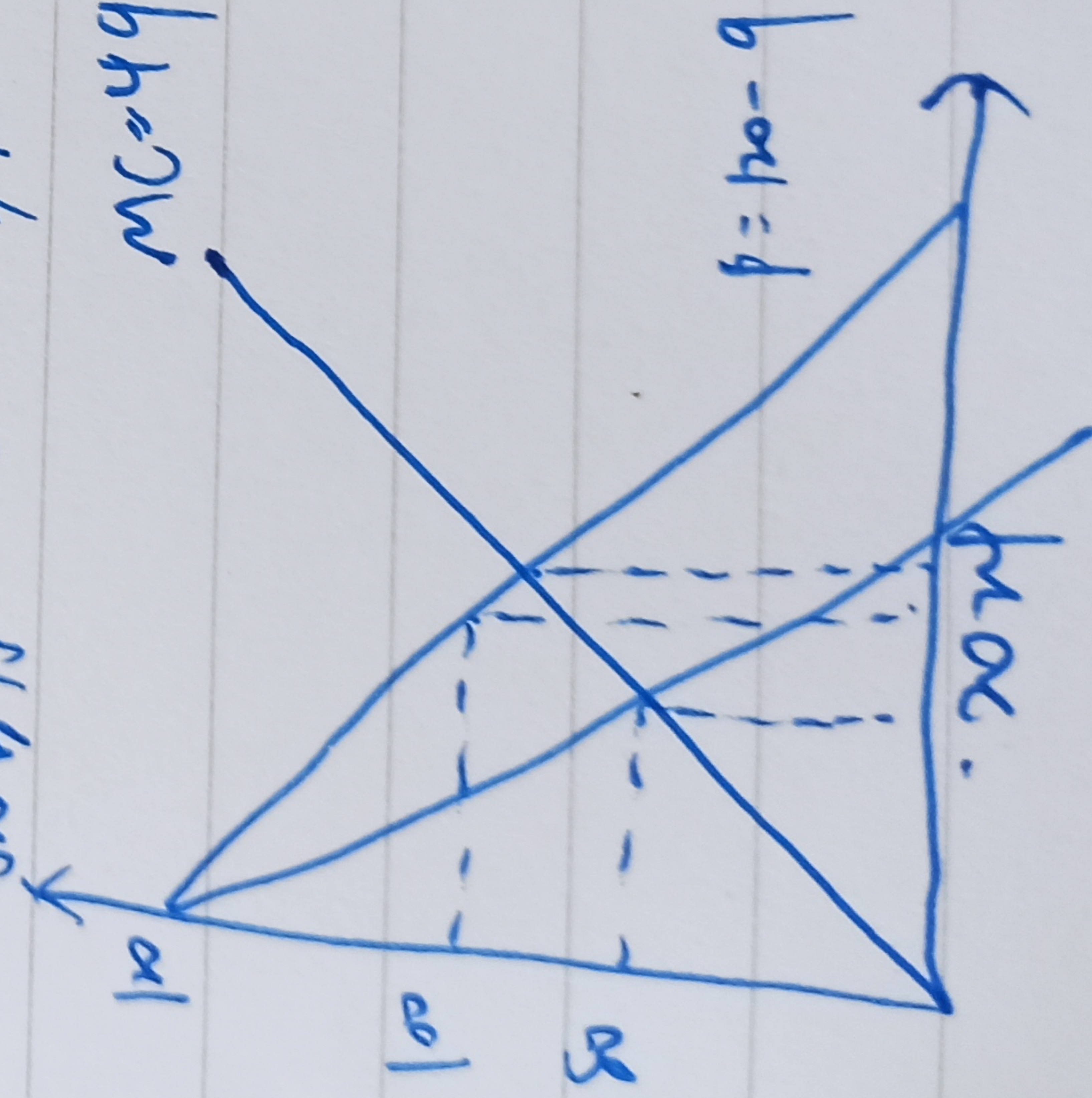
(c) $c \geq 0$ $P = \frac{ab + ae + bc}{2b+e}$

3. A 利用 $MR = MC$ $120 - 2q = 4q$ $q = 20$ $p = 100$

$$\pi = 100 \times 20 - 2(20)^2 = 1200$$

$$E_d = 100 + 20 \times 5 \quad MC = 4q - 80$$

獨占力 $\approx (100 - 80) / 100 = 0.2$



$$MR = 120 - 2q$$