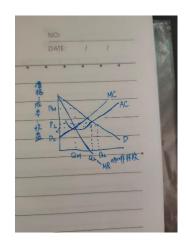
經濟二甲 A108260007 黃詩哲

1.如下圖所示,悟空會根據平均成本 (AC) 曲線與需求曲線 (D) 的交點訂出 (P_L,Q_L) 的價量組合。悟能會根據 MR=0 決定出 Q_C 的產量,並將價格訂在 P_C 。悟淨會根據 MR=MC 決定出 Q_M 的產量,並將價格定為 P_M 。



2.a. The monopolist will operate where MR = MC . With demand P= a - bQ, marginal revenue is given by MR= a - 2bQ. Setting this equal to marginal cost implies a-2bQ=c+eQ, Q=(a-c)/(2b+e). At this quantity price is P=a-b((a-c)/(2b+e)), P=(ab+ae+bc)/(2b+e).

b. Since Q = (a-c)/(2b+e), increasing c or decreasing a will reduce the numerator of the expression, reducing Q.

c. Since e > and = 0 and P= (ab+ ae+ bc)/ (2b+e), increasing a will increase the numerator for this expression. This will therefore increase the equilibrium price.

3. (A)利用 MR=MC,120-2q=4q,解出 q*=20,代回需求函數解得 P*=100。π*=100×20-2(20) 2 =1200, E_d =100/20=5,MC*=4q*=80,獨占 力=(100-80)/100=0.2

