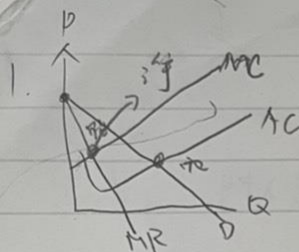


week 11



$\pi = b = AC$
 $\pi = \pi + MR = 0$
 $\pi = MR = MC$

2. (A) $a - 2bQ = c + eQ$ $P = a - b \left[\frac{a-c}{2b+e} \right]$

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

$P = \frac{a+b+ae+be}{2b+e}$

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

(c) $\pi = \frac{a^2 - a b + a e + b^2 - b e}{2b+e}$

3. (A) $MR = MC$ $\pi = 10 \times 20 - 2 \times 20 = 100$, $E_d = \frac{100}{20} = 5$
 $120 - 2Q = 4Q$, $Q = 20 \rightarrow P = 100$ $MC = 4Q = 80$

(B) $20 \times \frac{4}{2} = 40$

$\pi = \frac{100 - 80}{100} = 0.2$

(C) $P = MC$ $120 - 4 = 44$, $Q = 24$ $P = 96$

$16 \times 24 - 24^2 \times 2 = 1152$, MC 定價 $\Rightarrow 0$

(D) $P = AC$ $120 - 4 = 24$ $Q = 40$

$\pi = 80 \times 40 - 2 \times 40^2 = 0$

$(120 - 80) \times \frac{40}{2} = 800$

$1440 - 800 = 640$