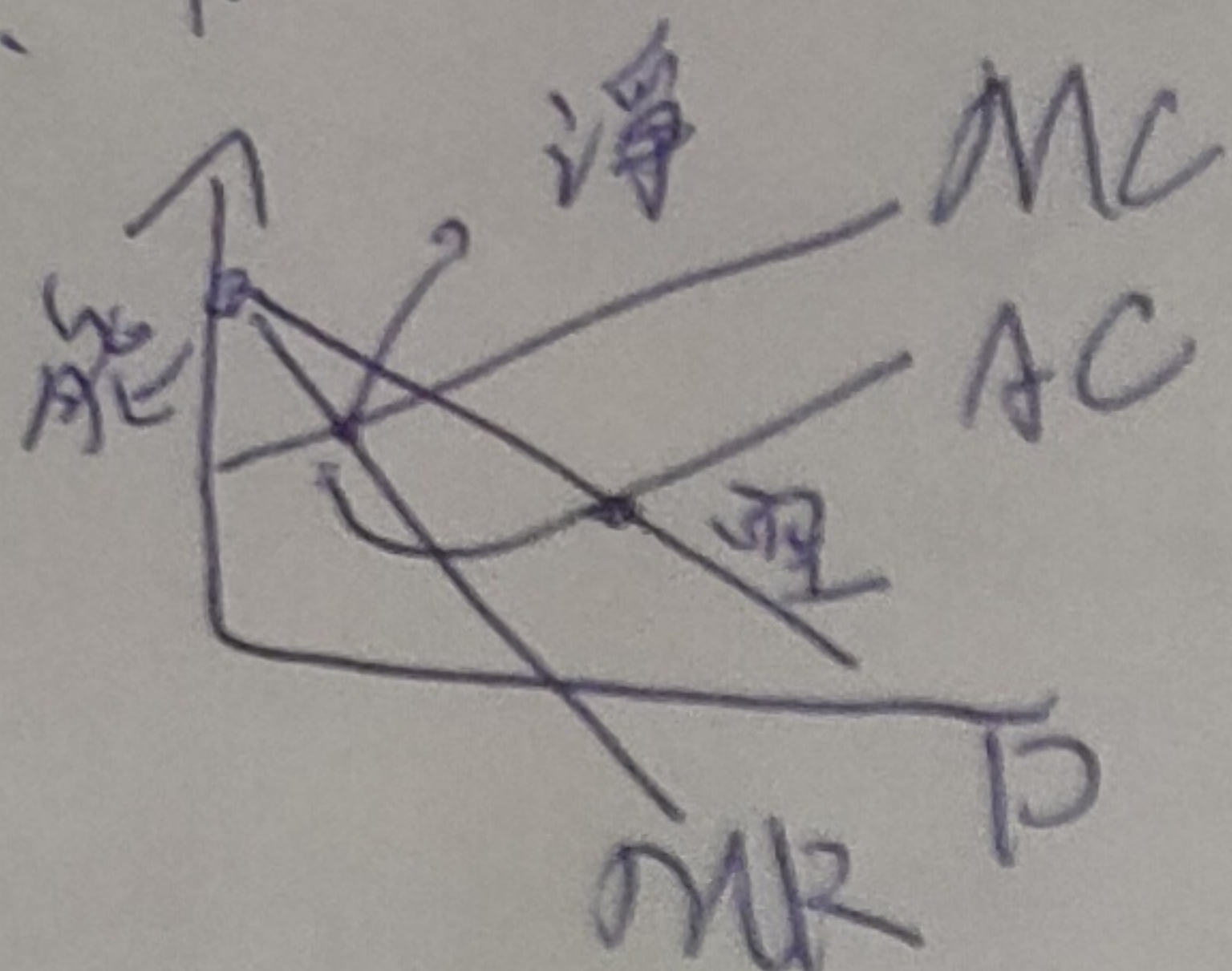week 11

1.

空 = P = AC
能 = 在 MR = 0
净 = MR = MC

2. (a)
$a - 2bq = C + eq$

(b) $q = \dfrac{a-c}{2b+e}$

(c) $e \geq 0$

$p = \dfrac{ab + ac - bc}{2b+e}$

3. (A) MR = MC

$120 - 2q = 4q$

$q = 20 \quad p = 100$

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

$\dfrac{l}{20} = 5 \quad Mc = 4q = 80$

独占 $= \dfrac{(100 - 80)}{100} = 0.2$

(B) $20 \times 2 = 40$

(c) $P = MC \quad 120 - 4 = 4q$

$q = 24 \quad p = 96$

$96 \times 24 - 24^2 \times 2 = 1152$

MC $\Rightarrow 0$

(D)
$P = AC$

$120 - q = 2q$

$q = 60$

$\pi = 80 \times 60 - 2 \times 60^2 = 0$

$(120 - 80) \times 20 = $

$1440 - 800 = $