個体経済. A107260097 李明揆.

Week 2.

$APL = \frac{q}{L}$ $MPL = \frac{\partial q}{\partial L}$

1. $APK = \frac{q}{K}$.

K	L	Q	APL	APK	MPL
20	0	0	0	0	0
20	5	20	4	1	4
20	10	43	4.3	2.15	4.6
20	15	57	3.8	2.85	2.8
20	20	67	3.35	3.35	2
20	25	75	3	3.75	1.6

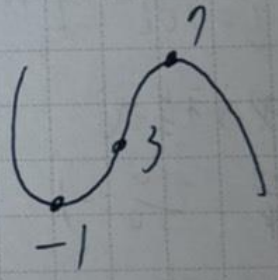
2. $q = 21L + 9L^2 - L^3$

$21 + 18L - 3L^2$ $(-L+7)(L+1) \rightarrow L = -1, +7$

$7 + 6L - L^2 - 1$

$18 - 6L \rightarrow L = 3$

(A) 7
(B) 7
(C) 3



3. $L = 10$
$K = 5$
$MPL = 5$
$4 = 500$
$MPK = 2.5$

$\frac{MPL}{L} = \frac{MPK}{K}$

$\rightarrow MPK = 2.5$

4. (A) $5A + 10B = 4$

(B) $L = 2$
$K = 1$