1.

K	L	q	APL	АРк	MPL
20	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.

(A)
$$\frac{MPL}{dL} = 18-6L=0 \Rightarrow L=3$$
 , L>3時, MPL開始遞減

(B) $\frac{da}{dL} = 2I + 18L - 3L^2 = 0 \Rightarrow (-3L+2I)(L+1) = 0 \Rightarrow L=9$
i, L>9時, TP達最大

(JAPL JL = 9-2L=0 ⇒ L=4.5 i, L>4.5時, APL開始遞減

3.

$$L = |0, k = 5, MPL = \alpha = 5, \alpha = 500$$

$$|0\alpha + 5\beta = 500 | \alpha = 5 \text{ ($\alpha = 5 \text{ ($\alpha$)}$)}$$

$$=) |0 \times 5 + 5\beta = 500 \Rightarrow 5\beta = 450 \Rightarrow \beta = 90 = MPK.*$$

4.

(B)
$$9 = 5A + 10B$$

(B) $9 = \min(\frac{L}{2}, K)$