

Date

1.

$$(A) : LTC = 10L + 10K$$

$$(B) : MRTS_{LK} = \frac{K}{L}$$

(C) $L \uparrow K \downarrow \Rightarrow$ 凸向原點, Yes! *

$$(D) \begin{cases} \frac{K}{L} = \frac{10}{10} \text{ (相切條件)} \\ q = 10L^{0.5}K^{0.5} \Rightarrow L^* = K^* = 0.1q \end{cases}$$

$$(E) \quad \frac{TC = 2q}{\frac{2q}{q}} , AC = 2 , MC = 2 *$$

$$(F) \quad TC = 2q , 10 \text{ 代入} \Rightarrow 2 \times 10 = 20 *$$