

(A)  $C = 10L + 10W$

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

(C)  $L \uparrow, K \downarrow$  時,  $MRTS_{LK}$  下降, 故等產量線凸向原點

(D) 
$$\begin{cases} \frac{K}{L} = \frac{10}{10} \\ q = 10L^{0.5}K^{0.5} \end{cases} \Rightarrow L^* = K^* = 0.19$$

(E)  $TC = 2q, AC = MC = 2$

(F)  $TC(10) = 2 \times 10 = 20$