


$$(A) LFC = 10L + 10K$$

$$(B) MRTS = \frac{5L^{-0.5}K^{0.5}}{5K^{-0.5}L^{0.5}} = \frac{K}{L}$$

(C)   $L \uparrow, K \downarrow$  時,  $MRTS_{LK}$  下降, 故凸向原點

$$(D) \begin{cases} MRTS = \frac{10}{10} = 1 \\ q = 10L^{0.5}K^{0.5} \end{cases} \rightarrow L^* = K^* = 0.1q$$

$$(E) TC = 10 \times 0.1q + 10 \times 0.1q = 2q$$

$$AC = MC = 2$$

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