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

(B) $MRTS'_{LK} = K/L$ $\qquad$ MRTS=等產量曲線的切線斜率 $\qquad \dfrac{10 \times \frac{1}{2} L^{-\frac{1}{2}} K^{\frac{1}{2}}}{10 \times L^{\frac{1}{2}} \times \frac{1}{2} \times K^{-\frac{1}{2}}}$

(C) $L\uparrow$, $K\downarrow$時，$MRTS_{LK}$下降，故等產量線凸向原點 $\qquad \dfrac{d(K/L)}{d(L)} = -KL^{-2}$

(D) $\begin{cases} \dfrac{K}{L} = \dfrac{10}{10} \\ q = 10L^{0.5} K^{0.5} \end{cases} \Rightarrow L^* = K^* = 0.1q$ $\qquad MRTS = \dfrac{K}{L} = \dfrac{w}{r} = \dfrac{10}{10}$

(E) $TC = 2q$, $AC = MC = 2$ $\qquad LTC = WL^* + rK^*$
$\qquad\qquad\qquad\qquad\qquad\qquad\quad = 10 \times 0.1q + 10 \times 0.1q$

(F) $TC(10) = 2 \times 10 = 20$ $\qquad\qquad\qquad = 2q$
$\qquad\qquad\qquad\qquad\qquad\qquad\quad AC = 2$, $MC = 2$