

A107260023.

week 3.

$$5. (a) MRTS = \frac{K}{L} \quad 6 = \frac{K/L}{K/L} = 1 \quad (b) MRTS = 2 \quad \frac{K/L}{K/L} = \infty$$

8 (1) ✓

$$(2) MRTS = \frac{MRK}{MRL} = \frac{2}{3}$$

$$(3) \times \quad \frac{K/L}{3/2} = \infty$$

$$9. (a) \lambda q < (\lambda L^\alpha + \lambda K^\alpha)^B = \text{遞增}$$

$$(b) \lambda \ln q = \lambda 5 + 0.5 \lambda \ln L + 0.2 \lambda \ln K \Rightarrow \text{固定.}$$

$$(c) \lambda^* q \{ \text{Min} \{ \lambda a L, \lambda b K \} \}^a$$

$$\lambda \lambda^a \{ \text{Min} \{ a L, b K \} \}^a$$

$$\Rightarrow \sqrt[a]{\frac{b}{a}} = \frac{1}{\sqrt{a}}$$