Labour-Leisnre

- single good. quantity C

- leisnre in hours L

- utility ucl, C)

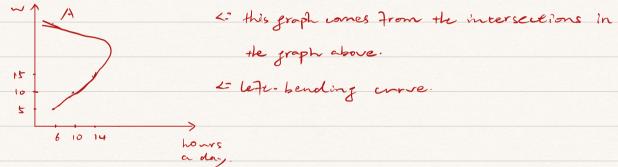
- life of good (

- price of leisure w.

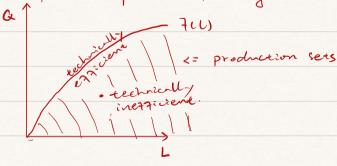
- budget: C+wl = 24m

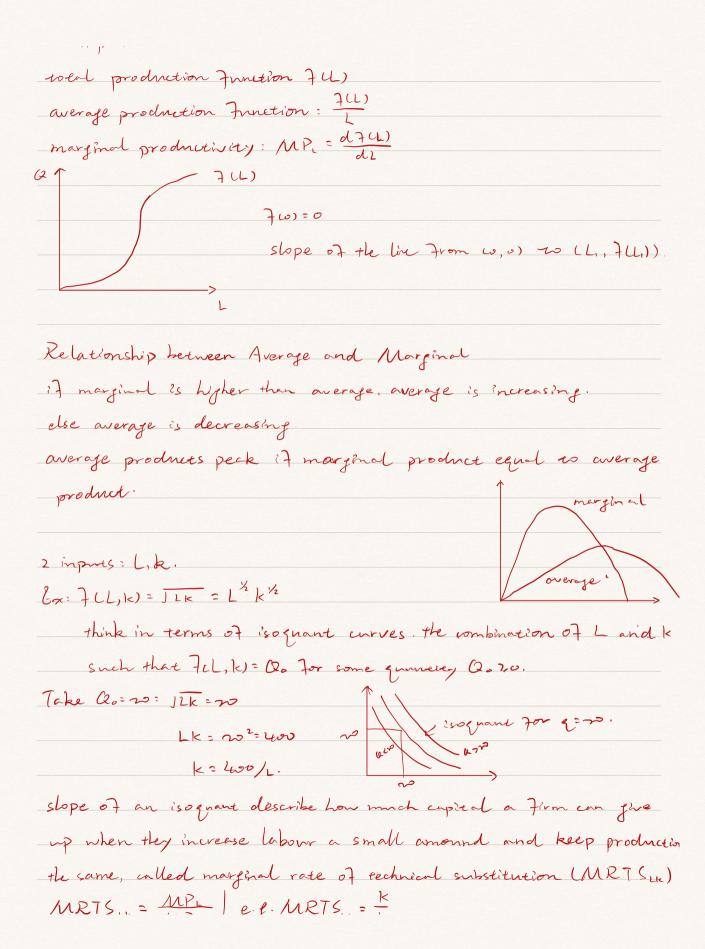
(=(24-L)w

labour supply if Low, is optimal leisure chosen for any wage w.
then New; = 24. Lew; is labour supply.



Firms are defined by a production function the maximum quantity a firm can produce for a given set of inputs of LL, k) = Ce.





LK MPK 1-0 LK L
Return to scale.
how does output change when we scale all imports by the
same factor? Take any L, K, this give oneput Q=FLL, K).
scale input by 271, inputs become (1/2, 1/2). Then f(1/2, 1/4)=26
II >2, we have decrease return to scale
7<2, increasing
7=2 unchanged.
Ex: Cabb- Donglas: F(L, K) = AL KB, A, A, B>0
= A 2 La 2 B KB = 2 a+B 7 (L, K)
=) Z= 7 d+B.
>
J+B = -
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