Chapter 5 3,5. Chapter 6 6,10.

Chapter 5.3

- a. As a lung-run production finition, this soms to be lacking a vorable for aprol equipment.
- b. This production function says without any labor, poper con transform itself into socionery, which cannot be true in reality.
- C. No, the norginal veturns are both anstant.

Chapter 5.5

- 9. Yes. It can be seen that at 13=1.171, so the production function exhibits increasing returns to scale. Thus, increasing both Land K by 1% causes output to go up more than 1%
- b. If B=0.2, then a+B=1, indicating that there would be anstert returns to scale.
- C. $\frac{Q}{L} = AR = A \cdot \frac{K^{B}}{1-a}$, which also departs on A, K, L, so it does not depart only in a and Bchapter 6.6.

b . No. the firm's etal outs are equal to zero when Q=0 .

$$d MC = \frac{dTC}{dQ} = 378Q$$

Chapter 6. 10.

9. AVC=\$14 AFCCQ=10,000)= 300,000/10,000=30 ' ATC = \$44.

. If the accurate parail, this will not be introduced -Humaby! His opinion is biased and we should introduce it since it can over collections. \$257 \$14

4 + 4 × 4 × 4 We shalld ptill introduce it C. \$12 1 Ht We should still introduce it .

d. \$14.