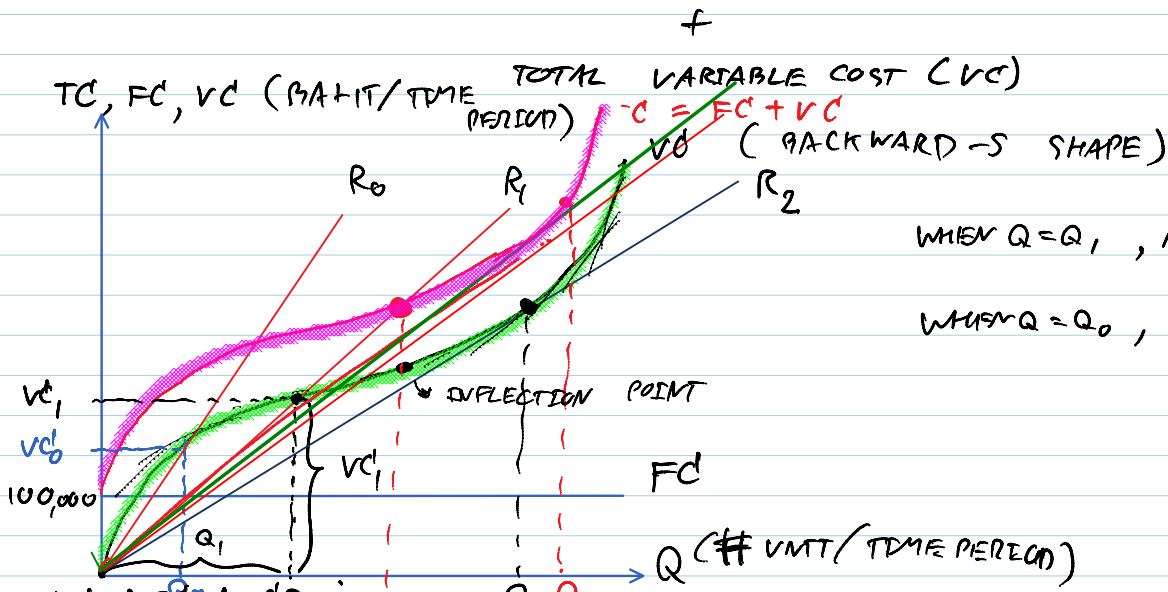
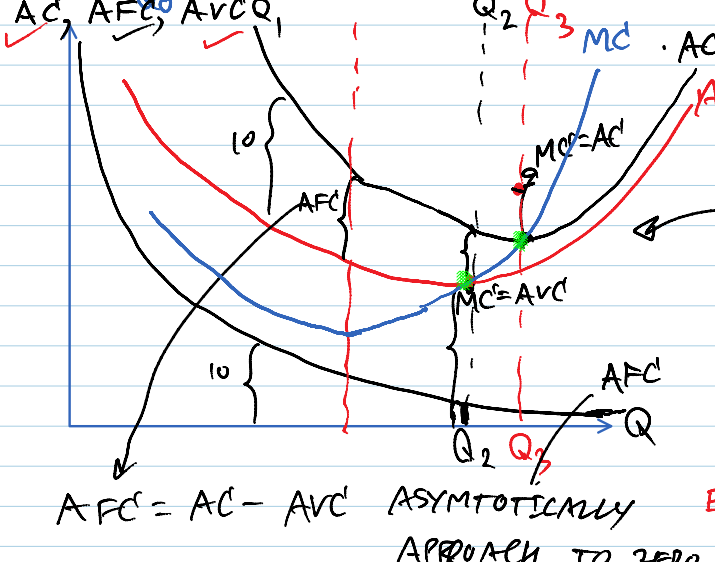


COSTS IN THE "SHORT RUN" →  $Q = F(L, K)$

TOTAL COST (TC) = TOTAL FIXED COST (FC)



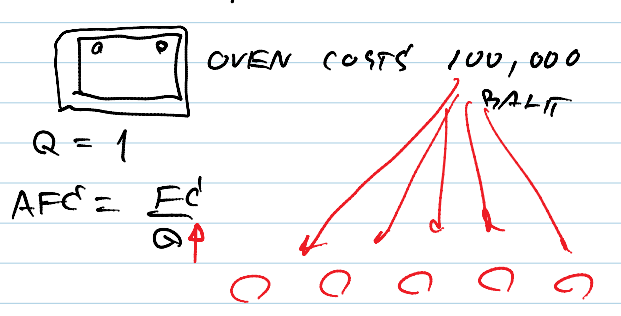
WHEN  $Q = Q_1$ ,  $AVC = VC_1 / Q_1$   
 WHEN  $Q = Q_0$ ,  $AVC = VC_0 / Q_0$   
 = SLOPE OF LINE  $R_0$



$TC = FC + VC$   
 $\frac{TC}{Q} = \frac{FC}{Q} + \frac{VC}{Q}$   
 $AC = AFC + AVC$  → AVERAGE VARIABLE COST  
 AVERAGE COST OR UNIT COST OR COST/UNIT  
 AVERAGE FIXED COST

EX:  $TC = 200,000$  BAKIT  
 $Q = 20,000$  COOKIES  
 $AC = \frac{TC}{Q} = \frac{200,000}{20,000} = 10$  BAKIT/UNIT

EX: ON AFC  
 $FC = 100,000$  BAKIT  
 $Q = 20,000$  COOKIES  
 $AFC = \frac{FC}{Q} = \frac{100,000}{20,000} = 5$  BAKIT/UNIT  
 FIXED COST/UNIT



SPREADING OVERHEAD COST:

WHEN THE FIRM PRODUCES MORE OUTPUT, FIXED COST WILL SPREAD OVER "EACH UNIT OF OUTPUT"

ANOTHER EXAMPLE: WINDOWS

$FC = 100,000,000$  vs

- ①  $Q = 1, AFC = 100,000,000$
- ②  $Q = 2, AFC = \frac{100,000,000}{2} = 50,000,000$
- $Q = 10, AFC = 10,000,000$
- $Q = 100, AFC = 1,000,000$

Ex: ON  $AVC$ .

$AVC = \frac{VC}{Q}$

SUPPOSE  $Wage (W) = 300$  BAHT/PERSON/DAY

$L = 10$  WORKERS/DAY

$Q = 1000$  COOKIES/DAY

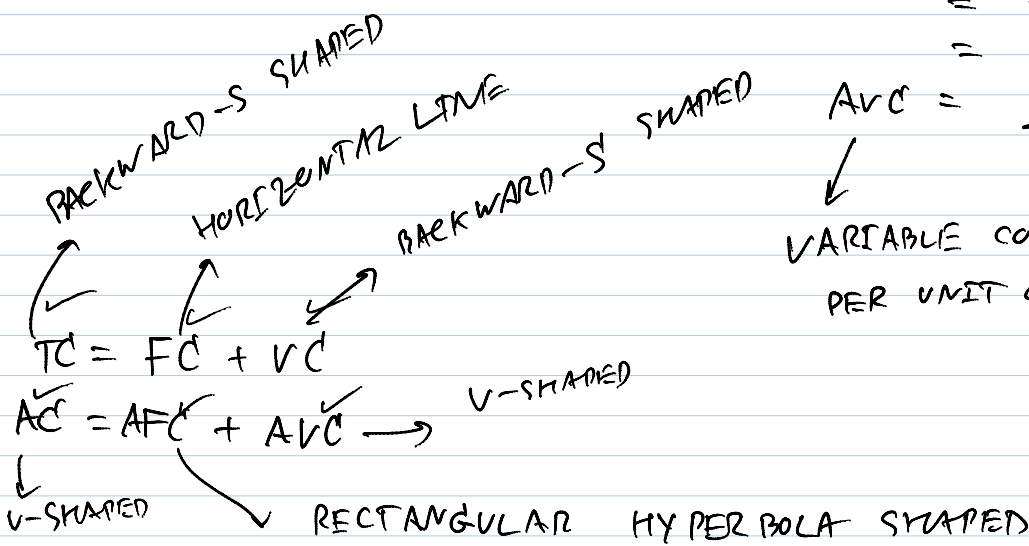
$VC = W \cdot L$

$= 300 \cdot 10$

$= 3000$  BAHT/DAY

$AVC = \frac{VC}{Q} = \frac{3000}{1000} = 3$

VARIABLE COST PER UNIT OF COOKIE



$MC = \frac{\Delta TC}{\Delta Q} = \text{SLOPE OF } TC \text{ CURVE}$