

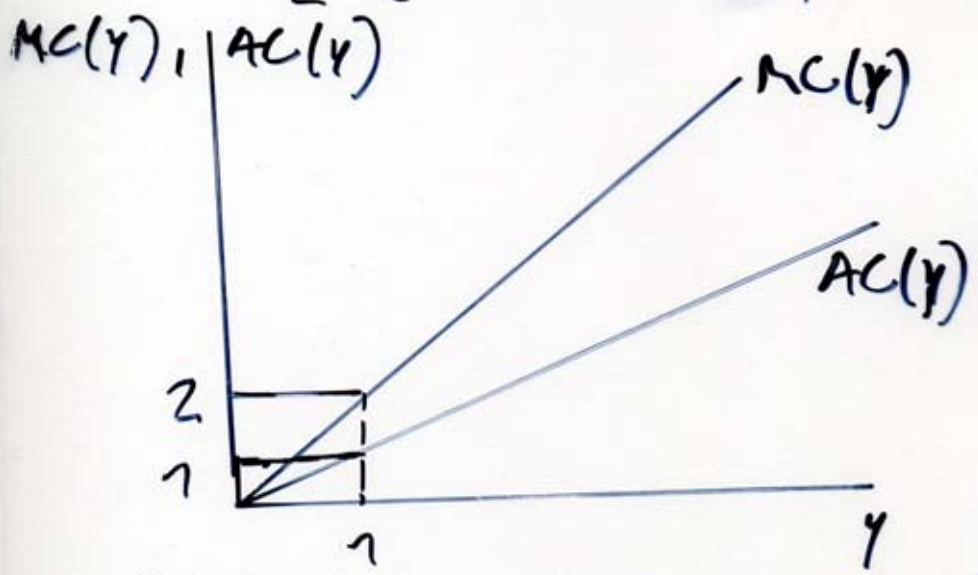
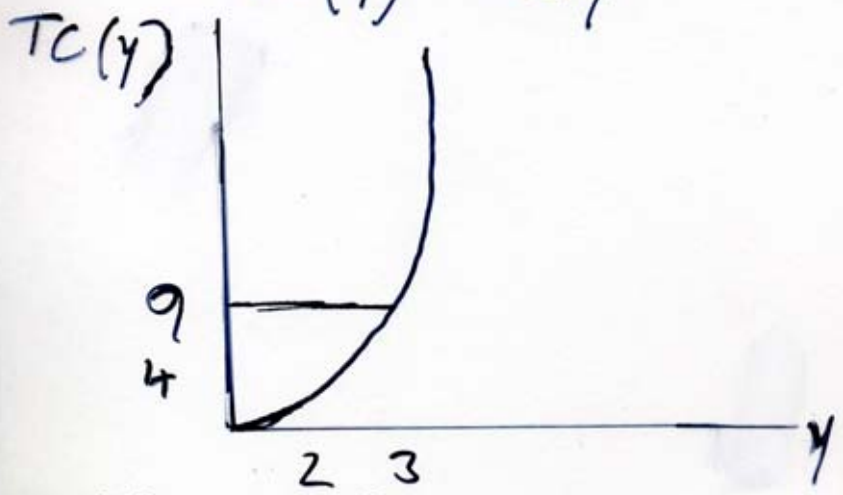
Bsp : $TC(y) = y^2$
 $F = 0$

$VC(y) = y^2$

$ATC = y = AVC(y)$

$MC(y) = 2y$

Konvexe
Kostenfunktion
keine Fixkosten



$G(y) = p \cdot y - C(y) \rightarrow \max!$

$\rightarrow P = MC(y) \rightarrow$ Grenzkostenkurve

= Angebotskurve (Konkurrenz)
 weil die Firma so produziert,
 dass $p = MC(y)$ gilt.

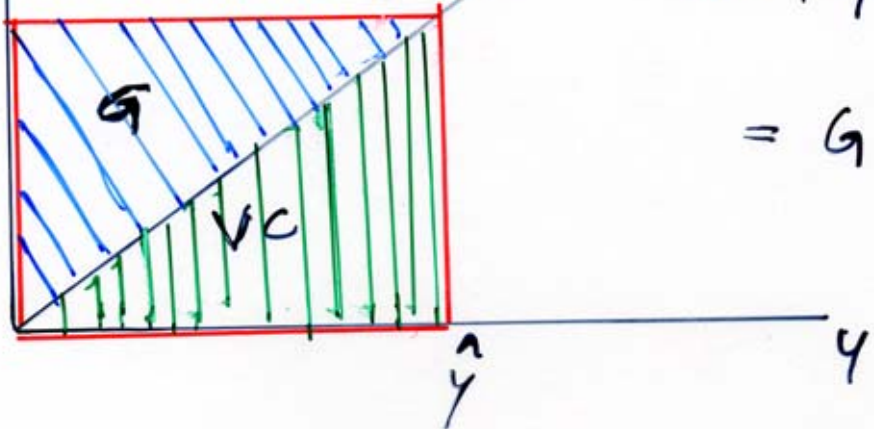
$MC(y)$

$MC(y) = A(p)$

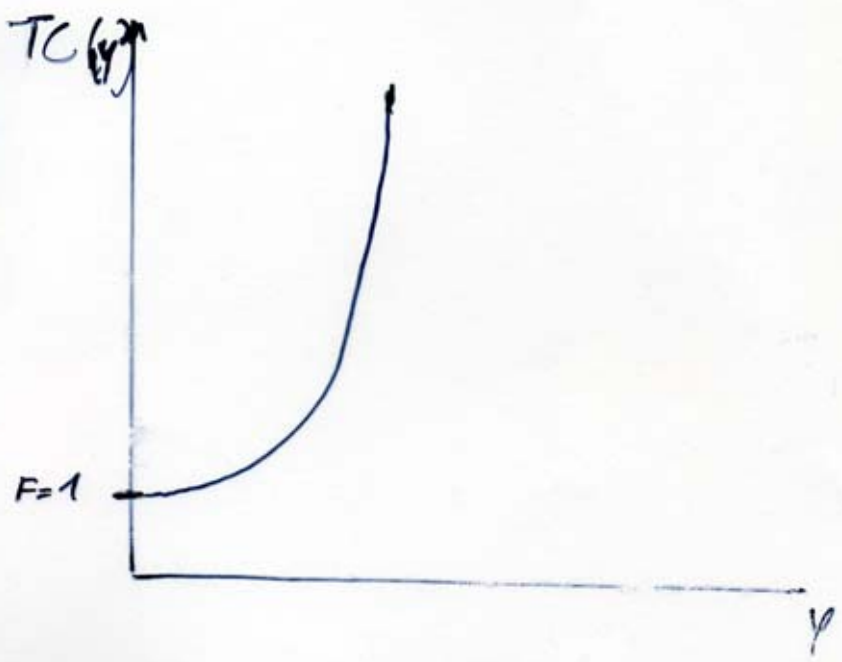
$G = p \cdot y - \int_0^{\hat{y}} MC(y) dy$

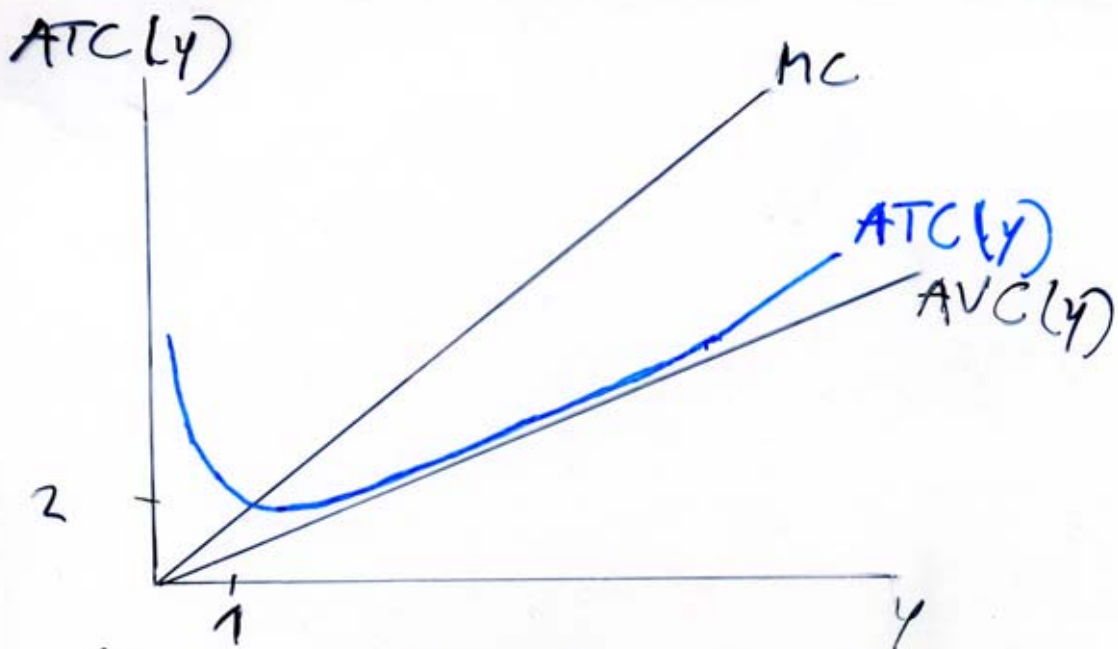
$= G$

\hat{p}



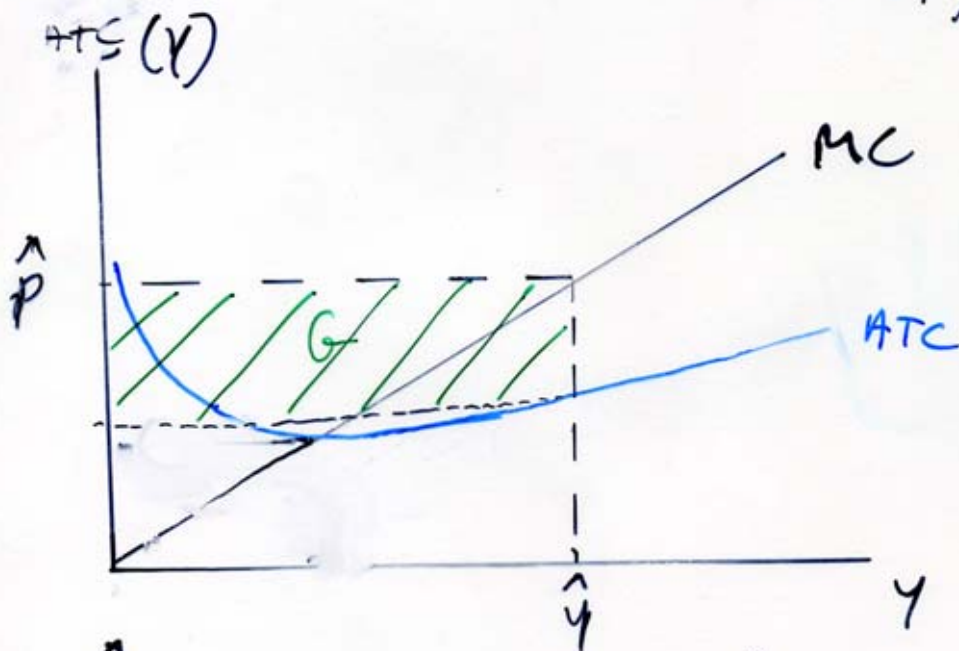
2. Beispiel : $TC(y) = y^2 + 1$
 $F = 1$ (neu)
 $VC(y) = y^2$
 $MC(y) = 2y$
 $ATC(y) = y + \frac{1}{y}$
 $AVC(y) = y$





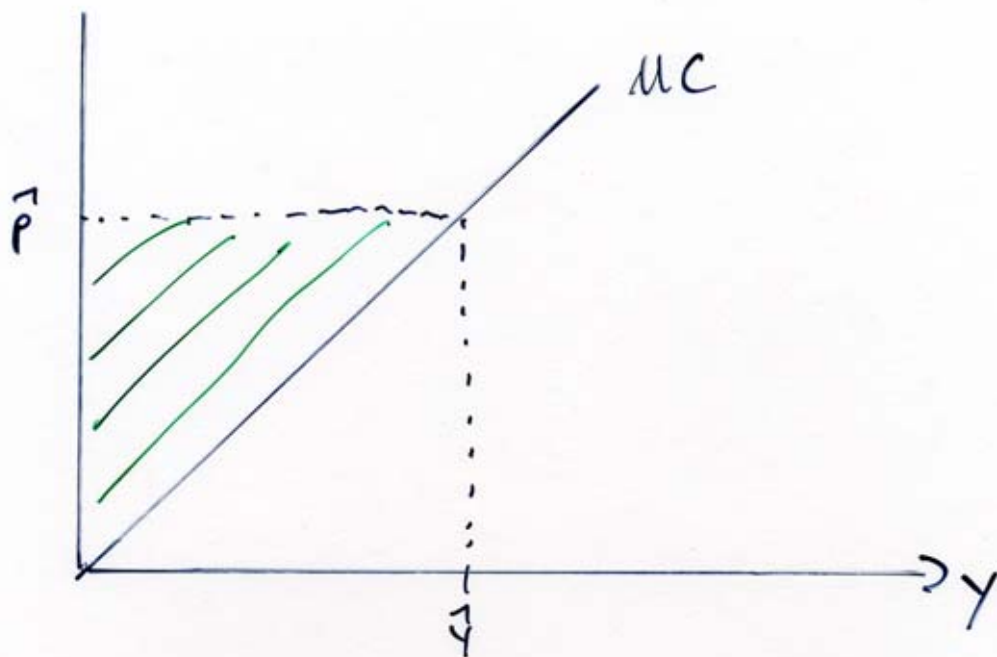
$\hat{y} < 1 \rightarrow$ Verlust ($p < 2$)

Umsatz = $p \cdot y$; y reicht nicht aus,
um Kosten = $ATC(\hat{y}) \cdot \hat{y}$ zu decken



$\hat{y} > 1 \rightarrow$ Gewinn!

$$G = \hat{p} \hat{y} - ATC(\hat{y}) \cdot \hat{y}$$



$$\text{///} = \hat{P} \hat{y} - VC \hat{y}$$

$$= \hat{P} \hat{y} - \int_0^{\hat{y}} MC(y) dy$$

= Erlös - variable Kosten

= Gewinn + Fixkosten (da Gewinn = Erlös - variable Kosten - Fixkosten)

= **PRODUZENTENRENTE**