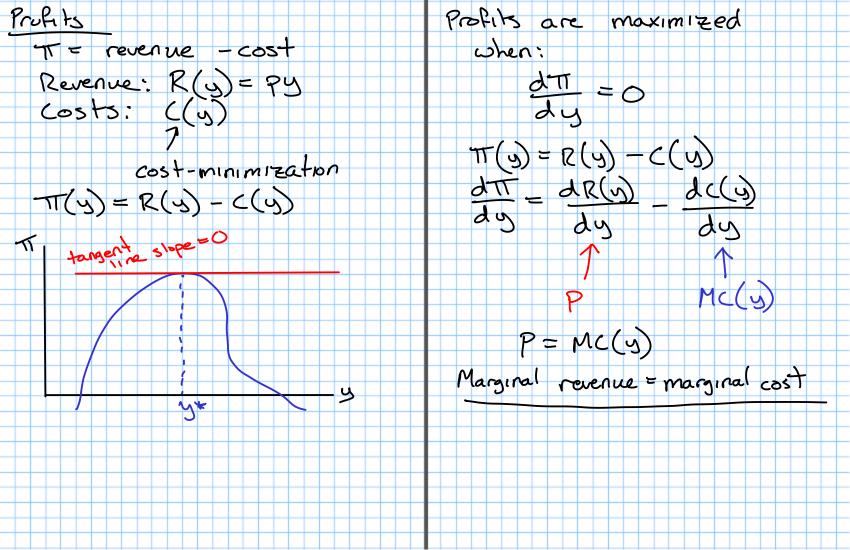
Perfect competition · Perfect information - Everyone can observe · Homogenous products all prices simultaneously -> everyone produces -> In competitive markets, exactly the same y there is only one Many firms
- actions of individual market price -> Firms are "price takers" firms don't affect - They don't have any the market as a power to choose a whole price · Free entry/free exit - firms can costlessly enter and exit the market

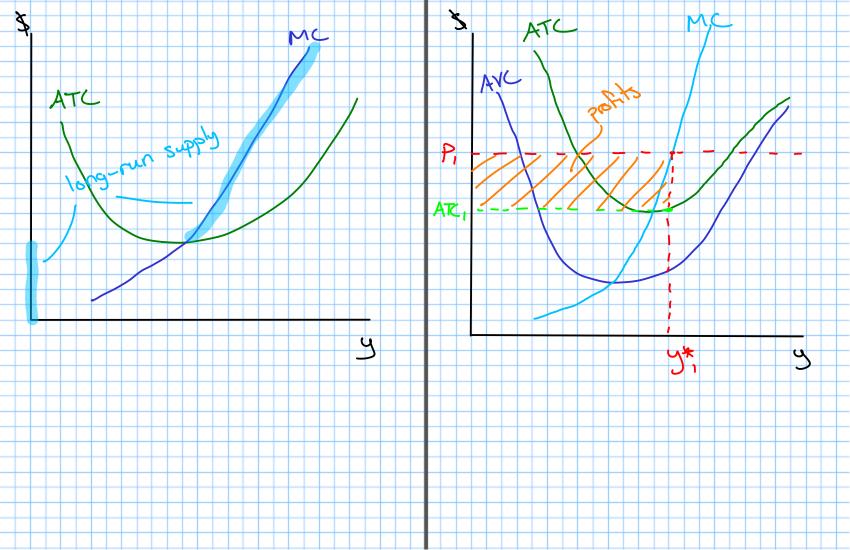


In competitive markets, MC(y) each firm faces a horizontal demand curve (changes in supply have no effect on price) Short-run profit max · Fixed K · Fixed number of firms  $C(y) = F + C_{v}(y)$ · Suppose y=0 (the firm has shut down in Short run)

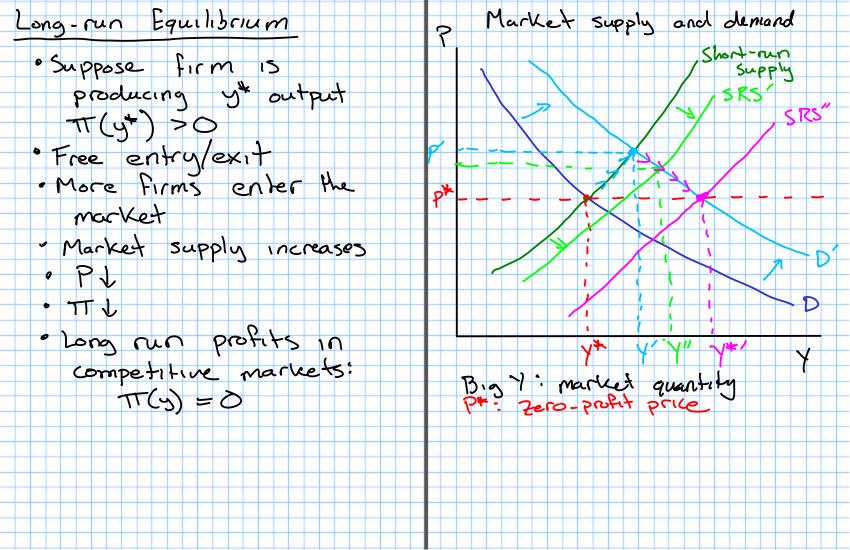
P.y - F - (,(y) > - F

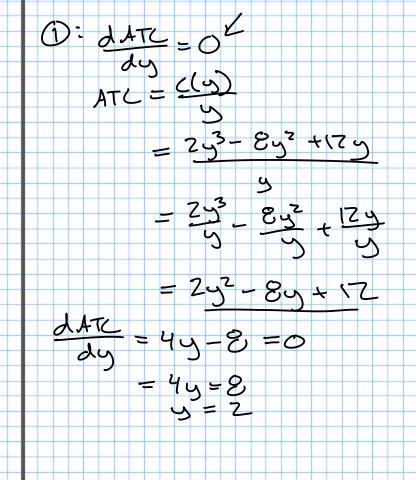
p.y - (v(y) > 0

Long-run T-max MC · Firms can adjust K and -> leave the market if they wish TT(0) =0 Py - c(y) =0 Firm exits the market Ч IF P< ATC



Result: " In the long run, firms exit the market when P is less than ATC ATC · In the short run, firms may be willing to incur negative profits





$$P^{*} = ATL(z)$$

$$= Z(z)^{2} - 8(z) + 1Z$$

$$= 8 - (2(z)^{3} - 8 \cdot z^{2} + 7(z))$$

$$= 8 - 16 + 1Z$$

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