

## **Barick Chung**

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2003-2007 Ph.D. (Business) Indiana University – Bloomington. 1987-1991 BS.Sc. (Economics) Chinese University of Hong Kong – Hong Kong.

Research paper: Chung, Barick, "Two Level Price Discrimination and Vertical Relationship" (March 05, 2012). Available at SSRN: <a href="http://ssrn.com/abstract=1997070">http://ssrn.com/abstract=1997070</a>.

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### ECO 2011 (Sections L07-10) **Basic Microeconomics**

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Mankiw, Gregory, 2012, Essentials of Economics, p. 66:

Market: a group of buyers and sellers of a particular good or service.

Competitive market: a market in which there are many buyers and many sellers so that each has a negligible impact on the market price.

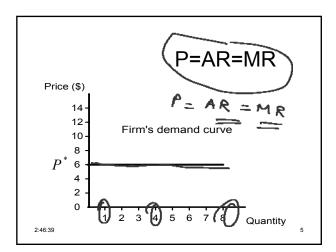


Mankiw, Gregory, Essentials of Economics, 2012, p. 256:

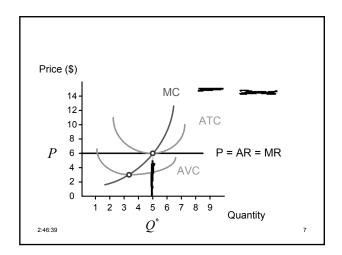
- 1) There are **many buyers and many sellers** in the market
- 2) The goods offered by the various sellers are largely the same
- 3) Firms can freely enter or exit the market

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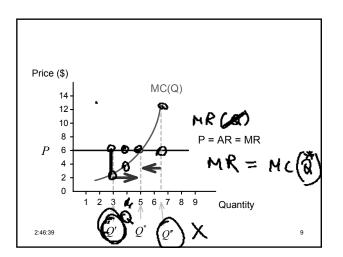
	- ;	nd margir Same	Same	
Ø		_	*0	_
Quantity	Price	Total revenue	Average revenue	Margina revenue
0 unit	\$6	\$0	-	-
0	6	6	\$6	\$6
2	6	12	6	6
3	6	18	6	6
<b>(</b> 4)	6	24	6	6
5	6	30	6	6
4	6	36	6.	6
7	6	42	6	(6)
7	6	48	6	6

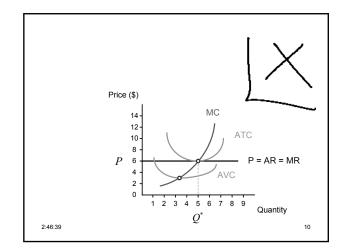


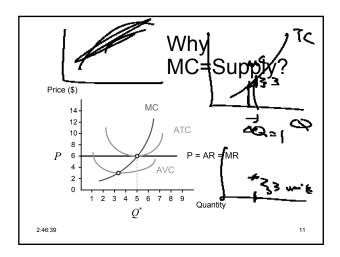


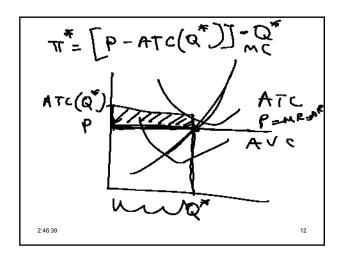
# Mankiw, Gregory, *Essentials of Economics*, 2012, p. 259: Profit maximization for a competitive firm

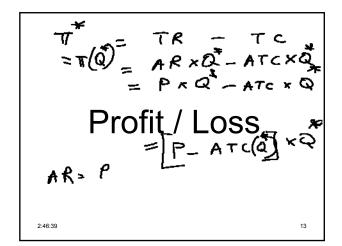
Quantity	Price	Total revenue	Total cost	Profit	Marginal revenue	Marginal cost	Marginal profit
0 unit	\$6	\$0	\$3	-\$3	-	-	-
1	6	6	5	1	\$6	\$2	\$4
2	6	12	8	4	6	3	3
3	6	18	12	6	6	4	2
4	6	24	17	7	6	5	1
5	6	30	23	7	6	6	0
6	6	36	30	6	6	7	-1
7	6	42	38	4	6	8	-2
8	6	48	47	1	6	9	-3



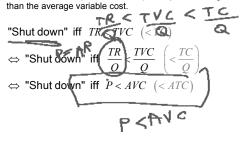


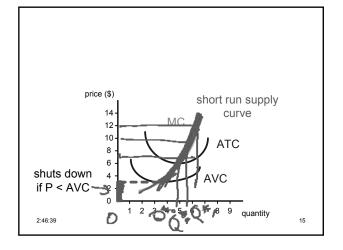




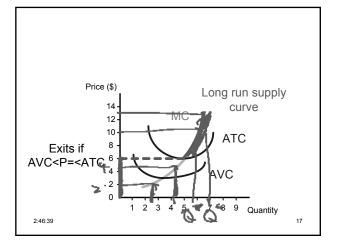


A firm shuts down (in the short run) if the price of the good is less than the average variable cost.





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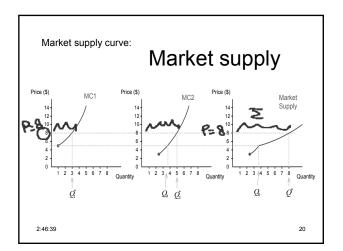


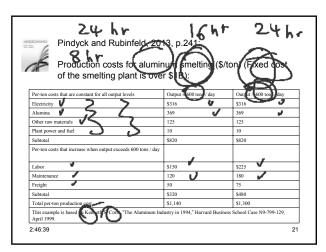
- 1) A firm **exits** (in the long run) (and stays in the short run) if the price of the good is larger than the average variable cost but less than the average total cost.
- 2) A firm  ${\bf shuts\ down}$  (in the short run) if the price of the good is less than the average variable cost.

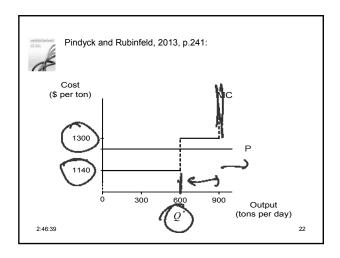
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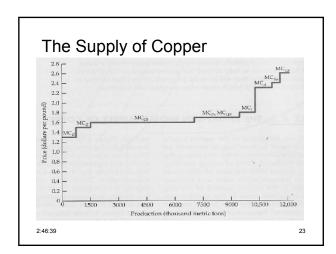
A competitive firm's **long-run supply curve** is the portion of its marginal cost curve that lies above average total cost.

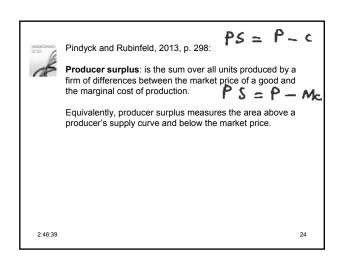
A competitive firm's **short-run supply curve** is the portion of its marginal cost curve that lies above average variable cost.

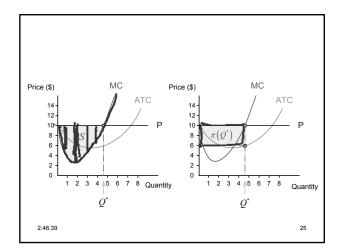












	T = TR - TC $= (P - ATC)Q$
	ANC +AFC
*	T= P-AVC-AFCXO
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