Principles of Microeconomics for AP® Courses Release Notes 2016

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Page Count Difference:

In the newest edition of *Principles of Microeconomics for AP® Courses*, there are 559 pages, as compared to 561 pages in the previous edition. This page count variation is due to padding and font size changes.

Errata:

Below is a table containing submitted errata, and the resolutions that OpenStax has provided for this latest text. *Principles of Microeconomics for AP® Courses* has been updated to include current Federal Reserve Economic Data (FRED). See final item below.

Issue	Resolution	Severity
Answer Key, Chapter 3, Exercise 10:	Revise the answer to Exercise	Major
The first exercise after the section of	10 as follows: Assuming	
chapter 3 on efficiency (the last	that people obey the price	
section of that chapter) reads:	ceiling, the market price will	
Does a price ceiling increase or	be below equilibrium, which	
decrease the number of transactions	means that Qd will be more	
in a market? Why? What about a	than Qs. Buyers can only buy	
price floor? The answer in the text	what is offered for sale, so	
reads as follows: Assuming that	the number of transactions	
people obey the price ceiling, the	will fall to Qs. This is easy to	
market price will be above	see graphically. By analogous	
equilibrium, which means that Qd	reasoning, with a price floor	
will be less than Qs. Firms can only	the market price will be	
sell what is demanded, so the	above the equilibrium price,	
number of transactions will fall to	so Qd will be less than Qs.	
Qd. This is easy to see graphically. By	Since the limit on	
analogous reasoning, with a price	transactions here is demand,	
floor the market price will be below	the number of transactions	

the equilibrium price, so Qd will be greater than Qs. Since the limit on transactions here is demand, the number of transactions will fall to Qd. Note that because both price floors and price ceilings reduce the number of transactions, social surplus is less. But that is, of course, wrong. The answer should read as follows: Assuming that people obey the price ceiling, the market price will be below equilibrium, which means that Qd will be more than Qs. Buyers can only buy what is offered for sale, so the number of transactions will fall to Qs. This is easy to see graphically. By analogous reasoning, with a price floor the market price will be above the equilibrium price, so Qd will be less than Qs. Since the limit on transactions here is demand, the number of transactions will fall to Qd. Note that because both price floors and price ceilings reduce the number of transactions, social surplus is less.	will fall to Qd. Note that because both price floors and price ceilings reduce the number of transactions, social surplus is less.	
Chapter 4: Introduction to Labor and Financial Markets: 1st paragraph of page (in Bring it Home box), last sentence: " in the second half of this case at chapter's end" -> check English	Revise text as follows: "Our study of supply and demand will help us to analyze what might happen in the labor market for nursing and other healthcare professionals, as discussed in the second half of this case at the end of the chapter."	Туро
Answer Key, Chapter 5, Exercise 1: There is a typo in the answer key to the first self check question for chapter 5. The question is as follows: image: ch 5 first self check question (see attached file) The answer in the text for the last part of the	Revise the answer to Chapter 5 Exercise 1 as follows: % change in quantity = ((1600-1800)/1700)*100 = -11.76 % change in price = ((130-120)/125)*100 = 7.81 Elasticity of demand = -	Major

question the price elasticity of	11.76/7.81 = -1.51 The	
demand as we move from point G to	demand curve is elastic in	
point H is: image: textbook	this interval.	
answer to first self check question		
(see attached file) But the answer		
should be: % change in quantity =		
((1600-1800)/1700)*100 = -11.76 %		
change in price = ((130-		
120)/125)*100 = 8 Elasticity of		
demand = -11.76/8 = -1.47 The		
demand curve is elastic in this		
interval. Note that the textbook		
authors follow the common practice		
of reporting the price elasticity of		
demand in its absolute value.		
However, it is a much better practice		
to report the price elasticity of		
demand as a negative number.		
Chapter 12: Environmental	Revise table for Self-Check	Minor
Protection and Negative Externalities,	Question 10 as follows: 10.	
Self Check Questions: There is an	Suppose a city releases 16	
error in the answer to self-check	million gallons of raw sewage	
problem chapter 12 number 10. The	into a nearby lake. Table 12.8	
answer key gives marginal costs and	shows For 4 million	
benefits of cleaning up as follows.	gallons row, Total Benefits	
(self check 12.10 answer image) But	column should be 1650	
most of these answers are just the	(previously 1650). For 0	
numerator of the calculation (in	gallons row, Total Benefits	
thousands of dollars). The exception	column should be 1900	
is the calculation of the marginal	(previously 2000).	
benefit of increasing the pollution		
cleanup from 8 million gallons to 12		
million gallons; that is, the marginal		
benefit of reducing total emissions		
from 8 million to 4 million gallons.		
The correct marginal cost and benefit		
calculations are the following (in the		
form of a spreadsheet): (marginal		
benefits and marginal costs of clean-		
up image) The answer to part b is		
thus not quite right because of the		
error in the marginal benefit		
calculation. The optimal quantity of		
clean-up would be somewhat larger		

than 12 million gallons; that is, the		
optimal quantity of pollution emitted		
would be somewhat less than 4		
million gallons.		
Chapter 12: Environmental	Revise table for Self-Check	Minor
Protection and Negative Externalities,	Question 11 as follows: 11.	
Self Check Questions: There is a typo	The state of Colorado	
in the data for self check exercise	requires oil and gas	
chapter 12, number 11. Thank you,	companies who use fracking	
Keranda, for pointing this out to me.	techniques to return the land	
The question reads as follows: (self	to its original condition after	
check 12.11 image) But the data	the oil and gas extractions.	
should be the following: (corrected	Table 12.9 shows For 400	
data image) The answer is right for	Land Restored row, Total	
the corrected data but wrong for the	Benefit column should be	
original data in the problem.	\$380 (previously \$480).	ļ
Chapter 7: The Structure of Costs in	Revise text as follows: This is	Minor
the Short Run: penultimate	the pattern of diminishing	
paragraph: To avoid confusion, the	marginal returns. As a result,	
last sentence should be moved "up"	the total costs of production	
as follows: "This is the pattern of	will begin to rise more rapidly	
diminishing marginal returns. AS A	as output increases." At some	
RESULT, THE TOTAL COSTS OF	point,"	
PRODUCTION WILL BEGIN TO RISE	•	
MORE RAPIDLY AS OUTPUT		
INCREASES. At some point, you may		
even see negative returns as		
additional barbers begin bumping		
elbows" The capitalized sentence		
is inappropriate as last sentence as in		
the case of negative returns		
(described in the two sentences		
currently preceding the currently last		
sentence) there is no increase in		
output, as referred to in the currently		
last sentence.		
Chapter 10: Monopolistic	Revise text as follows: "is	Туро
Competition: 2nd line of 2nd	shown in the figure at point	/ -
paragraph: " is shown in the figure	Y"	
at point V" -> V should be replaced		
by Y		
Chapter 9: Monopoly, Section: How a	Revise table "Total Costs and	Major
Profit-Maximizing Monopoly Chooses	Total Revenues of HealthPill"	
	. Star Nevertaes of Fredictif III	

Output and Price, Subsection: Total Cost and Total Revenue for a Monopolist: in Table 9.2, profits in row 4 and 5 should be 800 and 500 respectively. Chapter 9: Monopoly, Section: How a Profit-Maximizing Monopoly Chooses Output and Price, Subsection: Total Cost and Total Revenue for a Monopolist, last paragraph- first complete paragraph, last word should be 800, not 900. This results	as follows: Profit column for row 4 should be 800 (previously 900). Profit column for row 5 should be 500 (previously 700). Revise the last paragraph of subsection "Total Cost and Total Revenue for a Monopolist" to mention the highest profit as 800, not 900.	Minor
from corrections to Total Profits in		
Table 9.2. Chapter 9: Monopoly, Section: How a Profit-Maximizing Monopoly Chooses Output and Price, Subsection: Marginal Revenue and Marginal Cost for a Monopolist: Figure 9.5. first 2 points are mis-plotted. The points should be (2, 300) and (3, 400).	Revise the first figure in subsection "Marginal Revenue and Marginal Cost for a Monopolist" so that the first two points plotted for marginal cost are (2, 300) and (3, 400).	Minor
Chapter 9: Monopoly, Section: How a Profit-Maximizing Monopoly Chooses Output and Price, Subsection: Marginal Revenue and Marginal Cost for a Monopolist Row 6 Marginal Cost, Marginal Profit, and Total Profit should be 700, -500 and 0 respectively. Row 7 Marginal Cost and Marginal Profit should be 1,400 and - 1,400 respectively.	Revise Table "Marginal Revenue, Marginal Cost, Marginal and Total Profit" as follows: In row 6, Marginal Cost should be 700, Marginal Profit should be -500, and Total Profit should be 0 (previously 900, -700, -200). In row 7, Marginal Cost should be 1,400, and Marginal Profit should be -1,400 (previously 1,200, -1,200).	Major
Chapter 1: How Economists Use Theories and Models to Understand Economic Issues: The paragraph following "Link It Up" contains two typos: 1) "Studying economics teaches you to think in a different of way" -> "of" should deleted 2) last sentence of paragraph: " first put forth by Adam Smith, in his book,	Revised text to remove "of"and fixed reference of link.	Туро

Figure 1.3 The Wealth of Nations" ->		
"Figure 1.3" in wrong place		
Chapter 12: The Economics of	Revise text as follows: "Table	Minor
Pollution: The meaning of Table 12.1	12.1 lists the change in	
is unclear. 1) In the paragraph	carbon dioxide emissions by	
immediately preceding the table, the	users of energy (from	
table is first described as listing "the	residential to industrial)	
emissions from each" user of energy.	according to the U.S. Energy	
Similarly, the caption of the table	Information Administration	
reads " Emissions from Fossil	(EIA)."	
Fuels" From the text, it appears		
though the table lists CHANGES IN		
emissions. 2) Why are there no		
numbers in the last two columns of		
the row "Power"? It leads to the		
entry (730) in the last column of the		
last row equalling the sum of the last		
column's entries, but being not equal		
to the sum of the last row's entries.		
Chapter 20: Protectionism: An	Revise text as follows: "The	Туро
Indirect Subsidy from Consumers to	U.S. Bureau of Labor	
Producers: last line of page: "U.S.	Statistics (BLS), estimated the	
jobs in textiles and apparel fell from	number of U.S. jobs in	
about 542,000 in 2007 to 541,000 in	textiles and apparel fell from	
2012, an 8% decline" There must	666,360 in 2007 to 385,240 in	
be a typo somewhere (a decline of	2012, a 42% decline."	
1,000 does not correspond to 8%)		
Update Figure 17.2 with current data	Figure 17.2 Corporate Profits	Minor
from the FRED website.	After Tax (Adjusted for	
	Inventory and Capital	
	Consumption) updated to	
	include current data (up to	
	2015) from Federal Reserve	
	Economic Data (FRED).	