Economics 102 Summer 2017 First Midterm with Answers Date Thursday, June 8, 2017



This exam consists of three parts: I) five binary choice questions worth 2 points each; II) twenty multiple choice questions worth 3 points each; and III) three short answer problems worth 30 points total. All answers should be clearly and legibly recorded on the exam booklet: any answer that is not legible will be counted as a wrong answer. All answers should be presented in a neat, logical fashion in the short answer portion of the exam.

Honor Co	de Statement:	
my fellow answers to	, understand that it is important for also important that I not provide help, either intentional students. Therefore I will keep my answers covered and my classmates or take answers from my classmates. I am I may not have access to a calculator or a cellphone.	d I will not provide also acknowledge that
	·	(Signed)
I. II. III.	Binary Choice Questions (out of a possible 10 points) Multiple Choice Points (out of a possible 60 points) Problems	
	1. Problem 1 (out of a possible 10 points)	
	2. Problem 2 (out of a possible 10 points)	
	3. Problem 3 (out of a possible 10 points)	
TOTAL (out of a possible 100 points)	

	I. Binary Choice Questions: (5 Questions worth 2 points each)
EASY Descriptive; definitional=> Staight from lecture	1. In recent years there has been discussion about the accuracy of U-3 and U-6 as measures of unemployment in the U.S. Complete the following statement: "During the recent financial crisis, <u>U-3</u> understated the level of unemployment in the economy and a more accurate statement about the severity of the labor market situation was provided by <u>U-6</u> . a U-3; U-6 b. U-6; U-3
NOTHARD IF YOU DRAW THE GRAPH	2. Consider the market for gadgets that is initially in equilibrium. Suppose that the President places an executive order that reduces the number of immigrants, and therefore consumers, in the economy. At the same time, this executive order reduces the number of people available to work in the economy at every wage rate. Given this information, the equilibrium price in the market for gadgets will and the equilibrium quantity in the market for gadgets will relative to the initial equilibrium in this market. a. increase; be indeterminate b. be indeterminate; decrease (see graph for analym)
NOTHARD: Braw image!	3. Suppose that a small, open economy decides to close its market for bananas to trade and that its closed domestic price for bananas is greater than the world price for bananas. Given this information, domestic production of bananas
	Pelosed Pom Afrade Afrade Afrade Afrade Afrade Closed economy Afrade Closedeconomy Closedeconomy 2

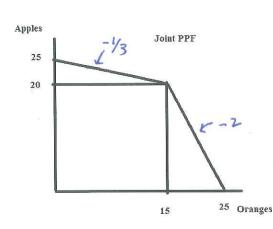
NOTHARD

Some work? 4. Amy's company produces 500 widgets in 2015 and sells 400 of these widgets for \$20 each. In 2016 Amy's company produces 700 widgets and sells 800 widgets for \$20 each. The impact of these transactions on GDP in 2015 is _____, consumption spending in 2016 is _____, and the impact on investment spending in 2016 is a. \$8,000, \$16,000; \$2000

a. \$8,000; \$10,000; \$2000 b. \$10,000; \$16,000; -\$2000 (see analysis below)

4 A BITOF MATH: NOT THAT HARD

Some LOGIC 5. Use the following graph to answer this question. The graph shows a joint PPF for Sarah and Robert who both produce apples and oranges.



OCN 1 dranges 13 Apple

OCN 1 Apple is 3 dranges

So Sarah's PPF

Apples = 20 - 2 dranges

Oranges = 20 - Apples

Oranges = 10 - 12 Apples

Oranges = 10 - 12 Apples

Oranges = 10 - 12 Apples

Suppose you are told that Robert's opportunity cost of producing an apple is 3 oranges. Given this information, what is the equation for Sarah's PPF in X-intercept form?

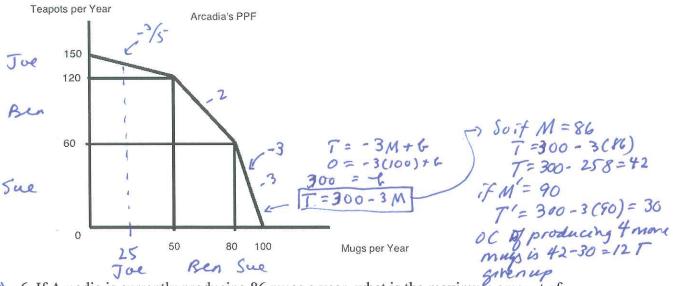
a. Oranges = 20 - 2(Apples) b. Oranges = 10 - (1/2) (Apples) (see work)

#.4 GOP 2015 = (Puright) (Quridget) = (500)(\$10) = 10,000 800(20) + (-100)(20)16,000 -2,000 1 C_{2016} T_{2016} 3

II. Multiple Choice Questions: (20 Questions worth 3 points each)

Use the following information to answer the next three questions.

The graph below illustrates the PPF for Arcadia, a small economy that produces teapots and mugs. Between each designated point in this graph assume that the PPF for Arcadia is linear: for example, between points A and B in this graph the PPF is linear, between points B and C in this graph the PPF is linear but may have a different slope than the slope between points A and B, etc.



NOTHARD 6. If Arcadia is currently producing 86 mugs a year, what is the maximum amount of teapots that Arcadia can produce given its mug production? Suppose Arcadia decides to increase its mug production to 90 mugs a year. Given this decision, what is the opportunity cost of this increase in mug production?

(a) 42 teapots; 12 teapots

b. 42 teapots; 30 teapots

c. 4.67 teapots; 12 teapots

d. 4.67 teapots; 30 teapots

Some WORK 7. Given Arcadia's PPF which of the following points (mugs, teapots) is not feasible for Arcadia?

a. (49,120) sme Arcadin can produce (50,120) it can also produce (49,120)

(b) (82, 56)

c. (25, 135) since 25 is halfway between 0 + 50, Then T value must be halfway d. (95, 15) between 120 T & 150 T =) i, $T = 135 \Rightarrow$ this point (25, 135) is on PPF or T = 150 - 35 M and if M = 25 \Rightarrow T = 150 - (3/5)(35) = 135

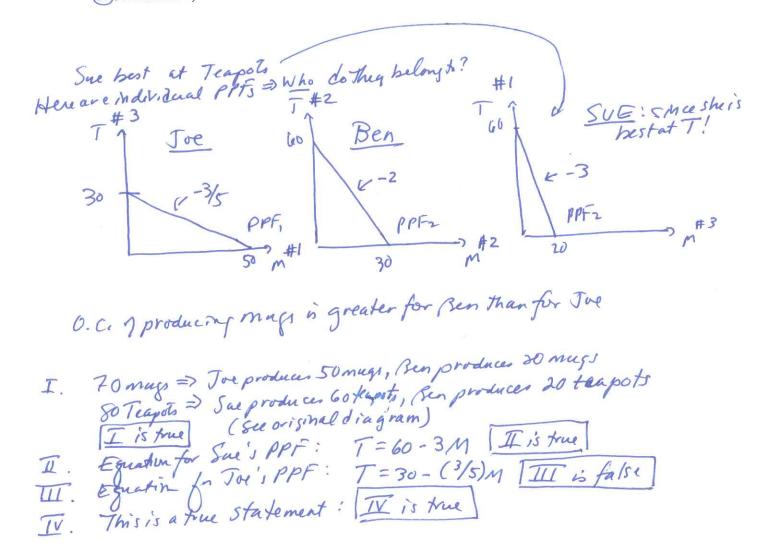
See analysis

from #6 we know T = 300-3M is equation for this regment of joint PPF. So if $M = 95 \Rightarrow$

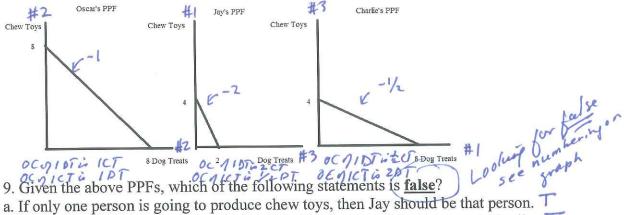
T=300 - 285 = 15 => (95,15) is on joint PPF

MORE WORK & A LOT OF LOGIC

- 8. Suppose only three people live in Arcadia: Joe, Ben, and Sue. You also know that the opportunity cost of producing mugs for Ben is greater than Joe's opportunity cost for producing mugs. And, you are told that Sue has the comparative advantage over both Joe and Ben in producing teapots. Given this information and holding everything else constant, which of the following statements is true?
- I. If this economy produces 70 mugs and 80 teapots, then Sue will produce 60 teapots, Joe will produce 50 mugs, and Ben will produce 20 teapots and 20 mugs.
- II. The equation for Sue's PPF is: T = 60 3M. (Where M is mugs and T is teapots.)
- III. The equation for Joe's PPF is: T = 60 2M
- T IV. The maximum number of teapots Ben can produce is 60.
- a. Statements I, II, III and IV are all true statements.
- b. Statements I is a true statement.
- c. Statements I, II, and III are true statements.
- d. Statements I, II and IV are true statements.



Use the following information to answer the next <u>three</u> questions. Below you are provided the three linear PPFs for Oscar, Jay and Charlie who produce chew toys and dog treats.



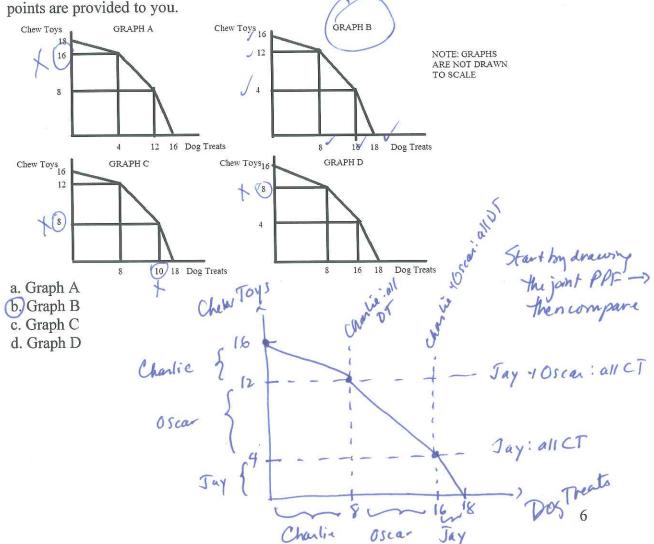
NOT HARD

- b. If twelve dog treats are produced they should be produced by Oscar and Charlie. T
- The second person to specialize in producing chew toys should be Charlie. F: second person is Oscar

d. Oscar has a comparative advantage over Jay in producing dog treats. T

NOTHARD

10. Here are four possible graphs of the joint PPF for these three individuals. Which is the accurate graph? Note: none of these graphs are drawn to scale, but all labeled kink points are provided to you.



SOMEWORK: PREDICTABLE THOUGH!

11. Given the PPFs, we can conclude that the trading range of 2 chew toys will be:

a. any price greater than or equal to 4 dog treats if Charlie is buying chew toys. X less than or equal to 2 dog treats if Jay is selling chew toys. X greater than or equal to 2 dog treats if Oscar if he is buying chew toys. X less than or equal to 2 dog treats if Oscar if he is buying chew toys. X less than or equal to 2 dog treats for Oscar if he is buying chew toys. True

2 (1 Chew Toy) Charlie bug my chew toys

Toscer buying from Jay

2 (1 DT) 2 (2 DT)

L Oscer selling to Charlie

Jayselling Chew Toys

Definitional: alotto readbut notreally a hard que strom answers c) and (d) are 11 GARRAGE

NOT 700 BAO: A

RITOFA

WEIRD

ON

QUESTION

INDETER -

MINANCY

12. In 2010 Economist Sarah and Economist Allen are having a discussion about the correct economic policy to pursue given the economic issues their economy is currently facing. Sarah is utilizing a long run model of the economy and this model holds as a key assumption that the economy will produce at the full employment level of output. Allen is using a short-run model of the economy and this model holds that in the short-run it is possible for an economy to be either in a recession where output is below the full employment level of output or overheated (in an expansion) where output is above the full employment level of output. Given their models, Sarah advocates for an austerity program in order to make sure that inflationary tendencies in the economy are tamped down while Allen advocates a government stimulus to get discouraged workers back into the labor force and back to work. They clearly disagree! Their argument is based upon

economics since over time they will be able to collect data and see whether countries that pursued austerity fared better than countries that pursued stimulus during can work at data to see which

this particular economic period of time.

a. normative

(b) positive

c. factual

d. abstract

13. Consider the market for tobacco products that is initially in equilibrium. Suppose that health studies report that tobacco smoking is not good for you at the same time that people's incomes fall. Assume that tobacco products are an inferior good. Given this information, relative to the initial equilibrium price and quantity, the equilibrium price

and the equilibrium quantity will . (a) be indeterminate; be indeterminate

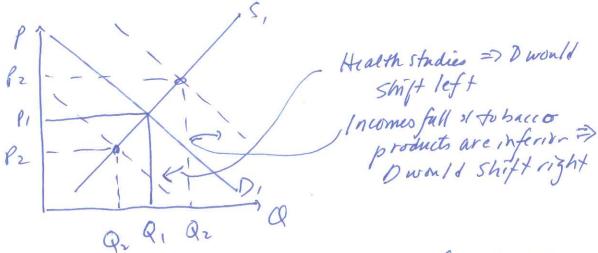
b. be indeterminate; increase

c. increase; be indeterminate

d. be indeterminate; decrease

c. decrease; be indeterminate

13,



Without more information we cannot predict what will happen to to price and quantity 8

position has greater validity =>

Use the information below to answer the next two questions.

Green Corporation is a gadget production company that produces gadgets. In producing gadgets, Greenland uses iron produced by Ironworks Inc. and rubber produced by Bouncy Products. Both Ironworks Inc. and Bouncy Products sell all of their product to Greenland. The following table summarizes the transactions that go into the production of gadgets, iron and rubber during the year 2012

nofinal

	Ironworks Inc.	Bouncy Products	Greenland Corporation
Wages	\$200	\$800	\$400
Rent	\$400	\$200	\$100
Interest	\$100	\$100	\$100
Intermediate	\$0	\$0	\$3000
Goods			
Total Revenues	\$1000	\$2000	\$6,000

NOT HARM

14. Given the above information, what is the contribution to GDP from this transaction for the year 2012?

a. \$9000

b.\$8000

(c. \$6000

d. \$3000

Ensiestway to get GDP

NOT HARD

15 Given the above information, what is the value of profits earned by Greenland?

(a.\$3600

b. \$3000

c. \$1500

d. \$1000

14. 6DP value. added approach?

6DP = VA by Ironworks fac + VA by Sounay Products + VA greenland Corp.

= (1000-0) + (2000-0) + (6000-3000)

= (000 + 2000 + 3000 = 6000)

Total Revenues = (1) product) (0) Product)

15. 6DP = 6000

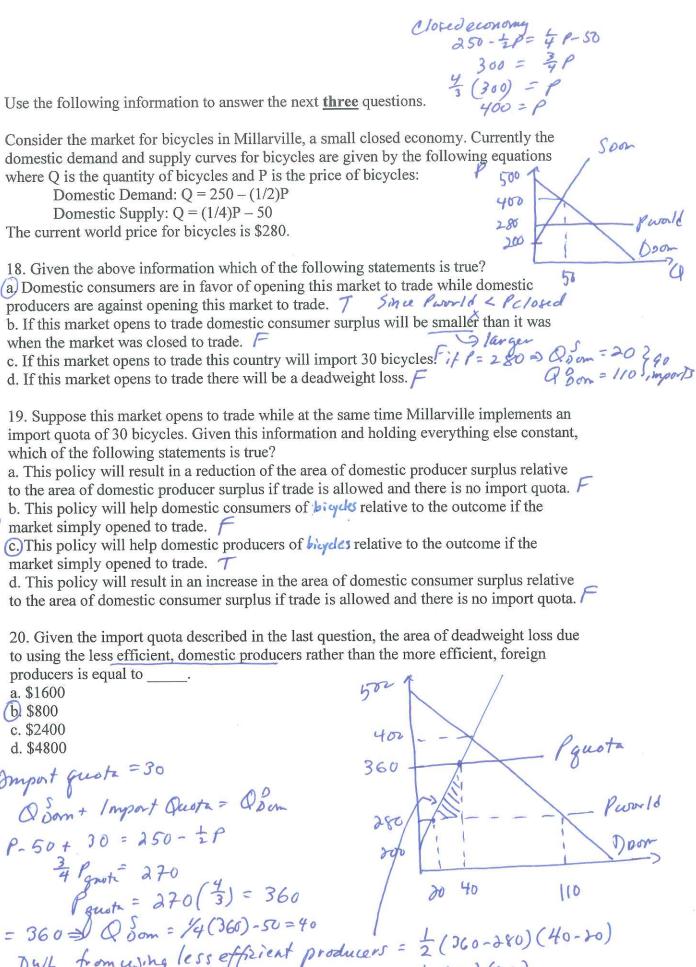
6DP = Wages + interest + Vent + profits

6DP = 1400 + 300 + 700 + profits

6000 = 2400 + Profits

profits = 6000-2400 = 7600

PREDICTABLE 16. Suppose there are five identical firms in the widget market and each firm's supply curve can be given by the following equation where P is the price per widget and Q is the Relatively easy since there's no quantity of widgets: Individual Supply Curve: P = 2 + (1/2)QGiven this information, what is the equation for the market supply curve? a. P = 10 + (5/2)Qb. P = 2 + (5/2)Q(see work below) c. P = 2 + 10Qd.P = 2 + (1/10)QPREDICTABLE 17. Suppose there are six consumers in the market for flashlights that have identical demand curves. Each consumer's demand curve is given by the following equation where Relatively P is the price per flashlight and Q is the quantity of flashlights: Individual Demand Curve: P = 15 - 3Q Since there's Given this information, what is the market demand curve equation? a./Q = 30 - 2Pb. P = 15 - 2Qno kink (see work below) c. Q = 30 - (1/2)Pd. P = 75 - 30mict 16. 2 2 P=2+2(Q) Pish a nice Q: Q = 4 =) P= 2+ 2(4) so if one firm produces Q = 4 when P = 4, then 5 firm produce Q = 20 when P = 42 points (Q, P) = (20, 4) and (0, 2) = 3 slope = 20 = 10P = (to) Q + to 2 you knew y-intercept by inspection! 2 = (to)(0)+6 } you knew y-intercept by inspection!



SOME

EASY:

WORK

NOTMUCH

REQUIRED HERE IF UNDERSTAND IMBART

QUOTAS

SOME WORK

> (b) \$800 c. \$2400

> > d. \$4800

a. \$1600

19. Import quota = 30 O Dom + Import Quota = O Dom $\frac{1}{4}P-50+30=250-\frac{1}{2}P$ $\frac{3}{4}l_{gnot}=270$ $P_{gnot}=270(\frac{4}{3})=360$ $P_{gnot}=360=0$ $P_{gnot}=470(\frac{4}{3})=360$ $P_{gnot}=470(\frac{$

Domestic Demand: Q = 250 - (1/2)P

producers are against opening this market to trade. T

Domestic Supply: Q = (1/4)P - 50

The current world price for bicycles is \$280.

which of the following statements is true?

market simply opened to trade.

market simply opened to trade. \mathcal{T}

producers is equal to ...

= = (80)(20) = 800 11

Use the following information to answer the next two questions:

Smithville has a population of 30,000 people. Of those 30,000 people there are 5,000 children and teenagers who are less than sixteen years old; everyone else in this economy is at least 16 years old. There are also 1000 homemakers who are satisfied with being at home and are not actively seeking employment outside the home. There are 2000 fulltime students (aged 18 or older) enrolled in college. There are 2000 people who are working part-time and are satisfied with this arrangement. There are an additional 1000 people who are working part-time, but who wish to be working full-time but have been unable to find a full-time job. There are 9000 people who are working full-time. 4000 people are currently not working, are available to work, and are applying to jobs every week. Of the adult population there are 1000 people who are currently in institutions. Finally in Smithville there are 3000 people who are retired and collecting their old age pensions and another 2000 people who are currently not working, are available to work, but who have given up the hunt for a job because they doubt they will be able to find work.

```
ALOTOF
             20. Given the above information, the unemployment rate in Smithville is approximately
                                      (See # 's below) U = 4000
E = 2000+ 1000+ 9000 = 12,000
DATA, BUT
             (a.) 25%
              b. 20%
              c. 33%
                            U rate = [U+E] (100%) = 4000 (100%) = 25%
              d. 30%
STRAIGHT
```

21. Suppose that Smithville decides to include discouraged workers as unemployed workers when calculating the unemployment rate. If Smithville makes this change, the unemployment rate given the above information will since both the numerator and the denominator of the ratio will increase by the same amount.

a. not be impacted by this change (b) increase

LECTURE

REVIEW

SESSION:

c. decrease d. increase, decrease or stay the same

2000 Discouraged workers

U'hate = (U+D) 100%. Where D = Discourage d Workers

D = 2000

U'nate = \(\frac{4000 + 2000 \quad \quad \frac{6000}{15,000} \] 100%

U'nate = \(337 \) 30,000 pop. 25,000 1000 22000 Part time workers (2): E (want full - time work)

1000 Part - time workers (3): E (want full - time work)

19000 24000 2000 22000 9000 Falltime workers: E 10,000
Notworking, available to work, applying for jibs weekly! U

6000
1000 Institutionalized

5000
settred

12

Additional Workspace for Exam:

JUSTA QUESTION 22. Some communities have recently installed "traffic light cameras" that allow law enforcement officials to capture images of cars going through red lights. When caught going through a red light the owner of the vehicle is sent a \$50 bill for the traffic violation. A budding economist hearing about this program reasons that:

a. this is a bad idea because it is just one more example of government intervention in our lives. X 15 good intervention always a hadizea?

b/this is an attempt to create a market for this type of traffic violations and that the price may need to be adjusted so that we get the socially optimal amount of traffic light violations.

c. that running red lights creates a social cost and government is only trying to increase decrease this social cost by imposing these fines. X

d. that this is a terrible idea since these cameras are expensive and may be prone to error. Value judgment here

ALOTOF

23. Marley is studying Calculus this summer and is spending time today analyzing his grades. He knows that he has four quizzes in the class and each quiz is worth 2.5% of his final grade on a 100 point scale (assume that this is the scale used to calculate his grade). RESCAUNG! He also knows that he has five homeworks and each homework is worth 2% of his grade. There are also two midterms each worth 25% of his final grade; and a final exam worth the remaining 30%. Here are his scores and the available points per assignment thus far:

Quiz #1	10 out of 10 points
Quiz #2	8 out of 10 points $\frac{210+Y+5+8}{10} = \frac{31}{10}$
Quiz #3	5 out of 10 points (that was a hard quiz!) 8 out of 10 points 31.10 = 7.75
Quiz #4	8 out of 10 points
Homework #1	8 out of 10 points
Homework #2	10 out of 10 points $8 + 10 + 6 + 6 + 5 = 35 = \frac{W}{10} = 7 = 7 = 7$
Homework #3	6 out of 10 points 7 50
Homework #4	6 out of 10 points
Homework #5	5 out of 10 points $\int_{0}^{\infty} \int_{0}^{\infty} \int_{0}$
Midterm 1	5 out of 10 points 5 out of 10 points 60 out of 75 points \Rightarrow 69/45 = $\frac{1}{100}$ \Rightarrow $\frac{60.100}{75}$ = $\frac{1}{2}$ = $\frac{1}{2$
Midterm 2	40 out of 50 points => 40/50 = 1/100 => Y = 80
Final	. out of 100 points
5076 1/3/11 (Stell 1/4 fell	1 00 C100 ' C 11 ' D TT

5=2

Marley estimates that he needs 80 out of 100 points from all assignments to get a B. What score will Marley need to make on the final exam? Note: you are going to need to rescale ·37) 25.25 -54.75 25.15 these numbers! Marley's final exam score needs to be at least:

a. above an 80.

b. above a 92.

c. above an 88.

C. above an 88. (d) above an 84.

$$7.75 + 7 + 80(.25) + 80(.25) + f(.3) = 80$$

$$14.75 + 20 + 20 + .3f = 80$$

$$14.75 + 20 + 20 + .3f = 80$$

$$14.75 + 20 + 20 + .3f = 80$$

$$14.75 + 20 + 20 + .3f = 80$$

$$14.75 + 20 + 20 + .3f = 80$$

$$54.75 + .7f = 60$$

$$14.75 + 20 + 20 + .3f = 80$$

$$14.75 + 20 + 20 + .3f = 80$$

$$14.75 + 20 + 20 + .3f = 80$$

$$14.75 + 20 + 20 + .3f = 80$$

$$154.75 + .7f = 60$$

$$154.75 + .7f = 80$$

$$154.75 + .7f$$

TWT Som€ 24. In 2013 a tennis racquet cost \$200. If there is deflation of 4% in 2014 (that is, prices CALCULATIONS fall by 4%) and there is deflation of 2% in 2015, what will be the price of a tennis racquet at the end of this time frame? (Round to the nearest cent.)

a. \$188.00

b. \$212.00

c. \$212.16

d/\$188.16

Some WORKIF YOU DO THE ANALYTIS =) BUTYOU

25. Consider the market for bicyles in a metropolitan area. The demand and supply curve for bicycles are given by the following equations where P is the price per bicycle and Q is the quantity of bicycles:

Demand Curve: P = 500 - (8/5)QSupply Curve: P = 100 + (2/5)Q

ANSWORIT

Suppose that a new firm enters this market for bicycles. You are told the impact of this new service is to increase the number of available bicycles by 0 bicycles when the price is \$100 and by 100 bicycles at the initial equilibrium price (before the entry of this new firm). You are also told that the new supply curve that includes this new service is linear. Given this information:

a. this new service will lead to a decrease in consumer surplus relative to its initial level San incorare in this market.

b. The bicycle firms in this metropolitan region will welcome this additional supply since it will help the community provide more bicycles at an appealing price. No => PJ + wear already c. Bicyclists in the community will welcome this additional supply since it will increase Dance = the number of bicycles available without changing the price of bicycles. $N_0 \Rightarrow P \downarrow$

(d) The entry of this firm will be beneficial to consumers of the bicycles since they will get more bicycles, greater consumer surplus, and lower prices. True: Best Answer

2014 Pl by 470 => 200 = 7 200 - 8 = 192 pnlein 2014 $\frac{x.04}{8.00}$ 24, 2015 Pd by 270 => 192 => 192.00 X.02 - 3.84 \$188,16=> prize in 2015 Csimitrally $500 - \frac{5}{5}Q = 100 + \frac{2}{7}Q$ 400 = 2Q 2n = Qnew CS ev/ entry of new firm 100

Part III: Short Answer Problems (three worth a total of 30 points)

1. (Worth a total of 10 points) Suppose Marty and Palmer each have 60 hours a week that they can devote to producing watches and/or bracelets. Suppose that you know that Marty and Palmer both have linear production possibility frontiers (PPFs) and that they can produce fractional amounts of both goods. Marty can produce a watch in 3 hours and a bracelet in 4 hours. Palmer takes 5 hours to produce a watch and 2 hours to produce a bracelet. (Hint: measure watches on the vertical axis and bracelets on the horizontal axis.)

a. (1 point) Given the abov	e information,	who ha	s the	comparative	advantage	in the
production of bracelets?	Palmer					

(seranalgi below)

b. (1 point) Given the above information, who has the comparative advantage in the production of watches? ______

(see analysis below)

c. (1 point) Given the above information, who has the absolute advantage in the production of bracelets? Pa/mer

(see analy is below)

d. (1 point) Given the above information, who has the absolute advantage in the production of watches? ______

(see analy is below)

Marty 60 hours

20

- 4

3

Marty 8 PPF

15

OC1 1Bis 4/3 W OC1 Wis 3/4 B Palmer

N 1

Palmer

N 1

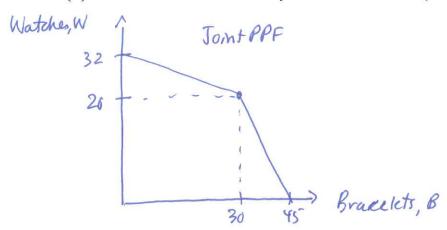
OC 1 1 B is 2/5 W

OC 0 1 W is 5/2 B

e. (2 points) Fill in the missing values as well as units of measurement in the table below.

	Marty	Palmer
Opportunity Cost of Producing 2 Watches	1.5 braulets	5 bracelets
Opportunity Cost of Producing 4 Bracelets	16/3 Watches	8/5 watches

f. (2 points) In the space below draw a graph that represents Marty and Palmer's joint PPF for the week given the information you have been provided. Make sure your graph is completely and clearly labeled. Measure Watches (W) on the vertical axis and Bracelets (B) on the horizontal axis. Identify the coordinates of any kink points in your graph.



g. (2 points) Provide a number line like the one in class to depict the range of trading prices for 10 bracelets in terms of watches. Provide arrows and labeling to indicate Palmer's perspective as well as Marty's perspective. Make sure you label the units of measurement on the trading range price you provide.

(0 (| Bracelet) = 10 Bracelets

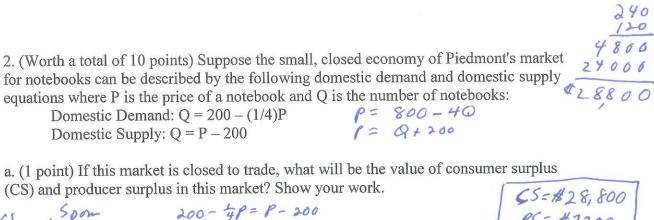
Marty buying bracelets

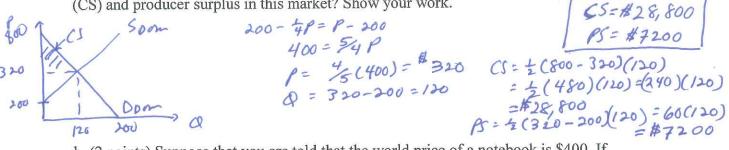
Marty buying bracelets

10 (2/5 W)

40/3 W

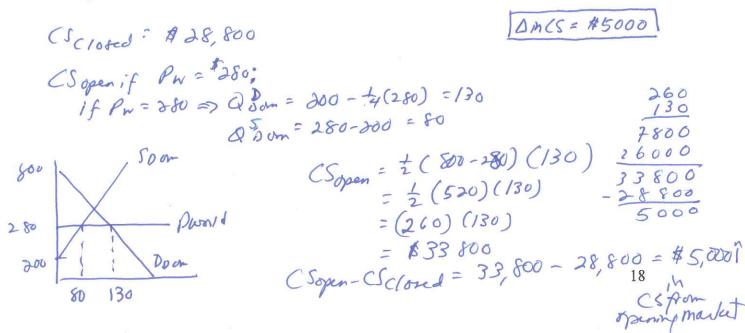
| Palmer selling bracelets



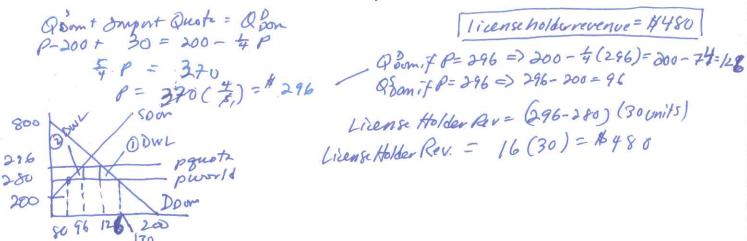


b. (2 points) Suppose that you are told that the world price of a notebook is \$400. If Piedmont opens this market to trade, what will be the change in total surplus relative to this market being closed to trade? Show your work.

c. (1 point) Suppose that you are told that the world price of a notebook is \$280. If Piedmont opens this market to trade, what will happen to consumer surplus relative to consumer surplus when this market was closed to trade? Be specific in your answer (that is, provide a numeric value) and show how you found your answer.



d. (2 points) Suppose the world price of a notebook is \$280. If Piedmont opens the market to trade and at the same time implements an import quota of 30 notebooks, what will be the value of license holder revenue? Show your work.



e. (2 points) Suppose that the import quota described in (d) has been implemented. What is the value of the deadweight loss experienced by consumers who no longer are consuming their optimal amount of the good? Show your work.

① DWL In above graph

$$DWL_1 = \frac{1}{2}(296-280)(130-26)$$
 $= 8(4) = #32$

DWL to consumers
no longergetting
optimal ant of good = \$132

f. (2 points) Suppose that the import quota described in (d) has been implemented. What is the value of the deadweight loss due to using less efficient domestic producers to produce more of the notebooks that are consumed in Piedmont? Show your work.

(1) DWL M above graph

DWL2 =
$$\frac{1}{2}(296-280)(96-80)$$

= $\frac{1}{2}(16)(16)$

= $(8)(16)$

= $\frac{4}{2}$

1) Wh due to using less
efficient domestic
producers to produce
product rather Theo
cheaper foreign
producers = \$128

3. (Worth a total of 10 points) Suppose you are given the following information about production in Jamestown where only watches and bracelets are produced:

- 3110	Price in 2013	Quantity in 2013	Price in 2014	Quantity in 2014
Watches	\$2	40 watches	\$4 per watch	60 watches
Bracelets	\$3	50 bracelets	\$4 per bracelet	A=60 brace For

You are also provided the following information about Jamestown:

Year	Nominal GDP	Real GDP with Base Year 2013	GDP deflator
2013	B= #230	C = \$ 230	E = /00
2014	\$480	D= #300	160

Use this provided information to calculate the missing values for A, B, C, D, and E. Explain your work and clearly show how you found your answers. THERE WILL BE NO CREDIT GIVEN FOR ANY NUMERIC ANSWER PROVIDED WITHOUT SUPPORTING EXPLANATION. Record your final answers in the following blanks, but show your work below this recording place.

B: Nom GDP2013 = (2)(40)+(3)(50) = 80+150 = 230

C: Nom GDP2013 = Neal GDP2013 if BY is 2013

E: GDP deflator 2013 = nom GDP2013 (scale factor)

real GDP2013

= 230 (100)

270

D. GDP deflator 2014 = nom GDP2014 (scale factor

real GDP2014

160 = 480 (100)

NalGDP2014

real GDP2014 = 480(100) = 300

A. Nom GDP2014 = PW QW + PD QB

480 = 4(60) + 4A SP A = 60 bracelets

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