



## 2) Concert ticket prices hit new high note

USA Today, July 10, 2001

[www.usatoday.com](http://www.usatoday.com)

It costs a lot more to see your favorite band in person, and there seems to be no end in sight to the skyrocketing ticket costs. The average ticket price during the first six months of 2001 was \$46.69, a 4.2% jump from the same period last year, according to a report released Monday by the concert trade publication Pollstar. In the past four years, concert ticket prices have nearly doubled. The report suggests concertgoers have finally had enough: Ticket sales were down 15.5% this year vs. the first six months of 2000.

- a) What is the implied price elasticity of demand for concert tickets?
  
  
  
  
  
  
  
  
  
  
- b) Is this inelastic, unit elastic, or elastic? How do you interpret this finding?
  
  
  
  
  
  
  
  
  
  
- c) Do you think the situation outlined in the paragraph above could be explained by a shift in consumer tastes away from concert going in response to technology improvements in home entertainments systems between 2000 and 2001? Explain using supply and demand curves why or why not.



3) If the price of good 1 is \$3 per unit, the price of good 2 is \$6 per unit, and the consumer's income is \$90

a) draw the consumer's budget constraint.

b) draw this budget constraint if the price of good two is reduced to \$3 per unit.

c) draw the budget constraint if the consumer's income rises to \$120, with the original prices of good 1 at \$3 and good 2 at \$6.

d) draw the budget constraint if the consumer's income rises to \$180, the price of good one doubles to \$6 per unit, and the price of good two doubles to \$12 per unit. (notice anything?)

- 4) When we compare the following bundles to the bundle (2 units of good 1, 3 units of good 2), can we say the proposed bundle is more preferred, is less preferred, or that we can't be sure without more information: (circle one for each proposed bundle)

(1,2)	More	Less	Need Information
(3,4)	More	Less	Need Information
(1,4)	More	Less	Need Information
(5,1)	More	Less	Need Information
(5,5)	More	Less	Need Information

Plot these points in comparison to the reference bundle of (2,3).

5) Taxes. In all cases, describe the original equilibrium price quantity pair, the price paid by consumers, the price received by producers, the size of the tax revenue, and the quantity supplied / demanded when the tax is imposed.

a. Illustrate on a graph the impact of a specific tax placed on producers.

b. Illustrate on a graph the impact of an ad valorem tax placed on consumers.

c. Explain the concept of consumer incidence using the graph you drew for (b).



7) Indifference curves.

- a. Draw an indifference curve where the two goods in question are perfect complements, and then draw one where the two goods in question are perfect substitutes. Provide examples of the goods in each scenario (make up a story).

- b. Is the shape of indifference curves influenced by changes in market prices? Why or why not.

- c. Why can't indifference curves cross?

8) If  $p_1 = 4$ ,  $p_2=3$ , and  $Y=48$

a. Draw the budget constraint.

b. Show how to derive an individual's demand curve for a given consumer's preferences (drawn as you like so long as they obey the properties of indifference curves discussed in class) from the price consumption curve using the example of  $p_1 = 2$  all else constant, and  $p_1 = 6$  all else constant.

- c. Show how to derive another individual's demand curve for a different consumer's preferences (drawn as you like so long as they obey the properties of indifference curves discussed in class and differ from the individual in b) from the price consumption curve using the example of  $p_1 = 2$  all else constant, and  $p_1 = 6$  all else constant.
- d. Show how to derive a market demand curve from a set of demand curves reflecting these two individual consumers' preferences.

