Homework Using Supply and Demand

Economics 304

1). Explain the relationship between elasticity and slope of a linear demand curve. Be specific, use equations and graphs if possible.

In quotal the steeper slopes suggest more included supply or demand. However, the abstractly also varies along a linear supply! demand curve whate

white for Example

2) Explain the notion of tax incidence in the supply and demand model and how it relates to the concept of elasticity.

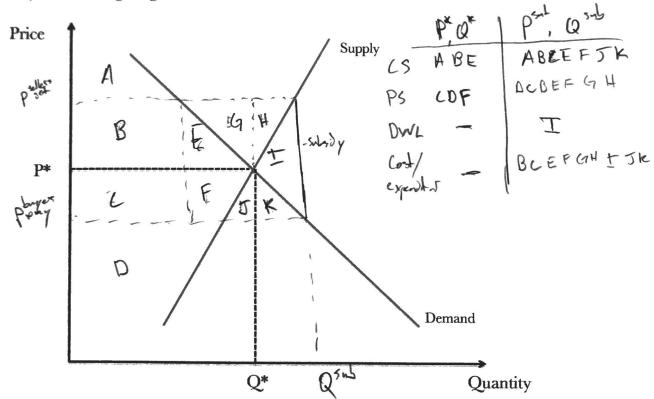
me concept or erasticity.

In Tax insidence is the iden of how the amount of a tax that is paid is spirit between buyes: sellers. In this respect the more elastic side of the mothet "excepts" paying the tax while the indestic side which isn't sensative to the pice mereone yays more of the 3. Public policy in the United States has often tried to encourage the production and use of tax but in

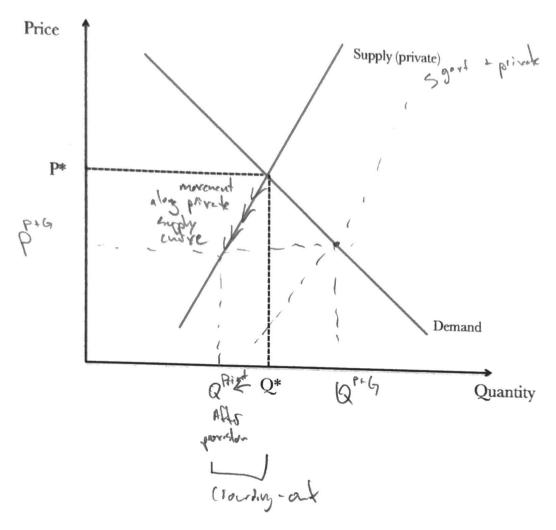
A) A popular policy is to provide a subsidy for solar panels. On the graph below show a

subsidy wedge, the quantity and the price consumers pay and producers receive. On the same graph show the welfare implications compared to the competitive equilibrium. Be clear

in how you are labeling things.



B) Another policy is the government provision of a good. Show on the graph provided how government provision of solar panels will effect the <u>price</u>, <u>quantity</u> and <u>private producers</u>. Be



C) Describe the economic concept of crowding out and where it shows up in this model / graph.

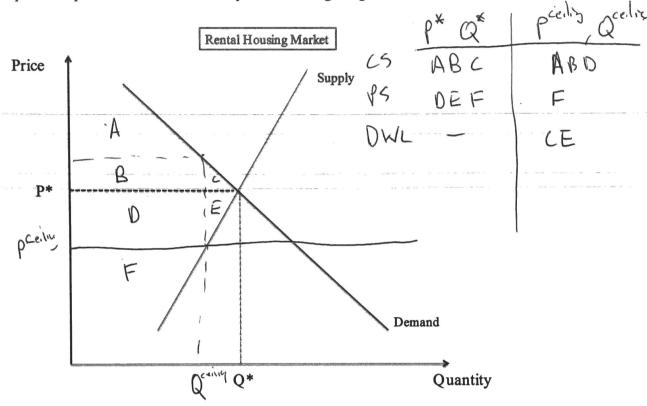
Crowding- out is Q => Qprint

reduction in Quantity produced by the private
sector as a result of the get producy/
entering the market and bidding the price down

from P* to P*+6

4. This question examines the market for housing in the United States.

Rent control in the form of a price ceiling is a popular affordable housing policy in the U.S. On the graph below depict a binding price ceiling and the welfare <u>changes</u> compared to the competitive equilibrium. Be clear in how you are labeling things.



C) Describe the concept of deadweight loss and where it comes from in this scenario.

Dedneight loss is aren LE, its the reduction in total economic surplus from a policy, like a price control. It also show that there is not a "Ifree lunch" in the got. transfering rome economic surpluses from products to consumers (area D), which results in the loss of economic surplus to L? E.

- 5. The City of Norfolk is looking for new revenue sources. It is considering imposing a tax on two goods: movie tickets and wine. The price elasticity of demand for the goods are -0.47 for movie tickets and -1.89 for wine.
 - A) (15 pts) Which good should it tax if the goal is to raise revenue? If the government wants to tax only one good, which good should it tax if the goal is to discourage consumption? <u>Explain your answer</u>. It would be helpful to use graphs in your explanation.
 - B) (15 pts) Describe the idea of the incidence of a tax. For each good (movie tickets and wine) who faces the higher tax incidence, consumers or producers? Why?

