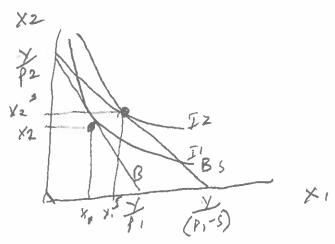
Problem	Set	9
PPA 897		

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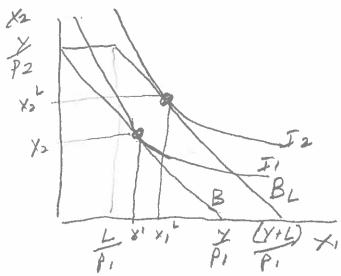
1. Provide an example of each in the real world (from table 10.2). That is, if I put Distributional Issue, transfer of scarcity rent under supply side output tax, a real world example would be government taxing private sector oil producers for the right to drill in the government's territory.

Generic Policy	Perceived Problem	Real World Example	
Supply Side Tax			
Output Tax	Market failure:	Environmental demine from	
	negative externality	burning coal to generate	
		electricity leads to a	
		per KWH fax on electricy produce	
Tariff	Limit to competitive framework:	Subsidy to produces 17	
	market power of foreign	another E. outry Gently	
	exporters	burning Coal to generate electricity leads to a per KWH fax on electricity produce subsidy to produces 17 another ecountry teals to a tax Zountry sur that good	
		that country to that spoot	
Supply Side Subsid		7	
Matching Grant	Market failure:	Federal funds provided as a netch to state funding for reducing	
	public goods	as a netch to state	
		funding for reducting	
		Class size in public	
Tax expenditure	Market failure:	5,00015	
rax experioreare	positive externalities	Money spent on reserion	
	positive externances	and development is exempt	
		money spent on reserich and development is exempt  Som corporate income	
		tax.	
Demand Side Tax			
Commodity Tax /	Market failure:	Tax on fulls that	
User fee	negative externalities	emit greenhouse jasules	
		burned.	
<u> </u>		priner.	
Demand Side Subs	idy		
In kind subsidy	Distributional issues:	Free breakfast and	
	floor on consumption	lunch programs 17	
		lunch programs 17 public schools	
Voucher	Government failure:	- 1111	
	bureaucratic supply failure	IT paper production	
		allow porters to entry	
		allow points to enroll  Children in the school  Interest vates on a  mor fgare are exempt  Grown Delsond income  tax.	
Tax Expenditure	Market failure:	Interest rates on a	
	positive externalities	mortgal are exempt	
		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	
	19	Gran Jelsona com	
		trx.	

a. Using indifference curves and a budget line, draw the impact of a matching grant of size S per unit of X<sub>1</sub> purchased by the consumer.



b. Using indifference curves and a budget line, draw the impact of a lump sum constrained transfer of size L to a consumer that can only be used to buy good X<sub>1</sub>.

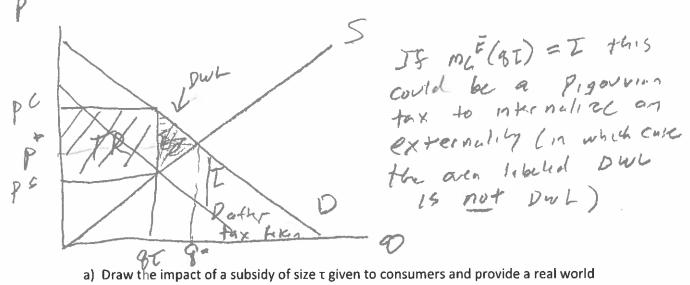


c. Discuss what happened to consumption of X2 and why it happened in your graphs for

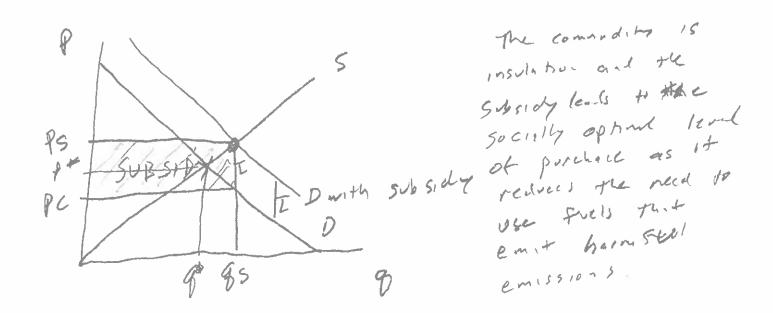
Jo both ences, consumption of K2 inclessed of Act is be come after the subsidy was given that is be come to the subsidy was given has been freed up to the subsidy was given has been freed up to (a) and (b). be spent on both more x, and x2 consumption,

## 3) Subsidy and Tax.

a) Draw the impact of a specific tax of size  $\tau$  placed on consumers and provide a real world case where this might be a good policy to implement.



case where this might be a good policy to implement.



4. Provide an example of each in the real world (from table 10.4). That is, if I put Market Failure, Natural Monopoly under government corporation, you could put airports in the NYC metropolitan area being run by the Port Authority.

Generic Policy	Perceived Problem	Real World Example
Direct Supply		
Bureaus	Market failure: Public good	Burray of land manage of oversees use at public lands by private fins
Independent Agenc	ies	
Government Corporations	Market failure: positive externalities	Port authority of NY and NJ coold nates transport in the New York City area,
Special Districts	Market Failure: Local Public Goods	Watershid managent
Contracting Out	<u> </u>	
Direct Contracting	Market Failure: Local public good	private firm: 15 contracte to collect trash is a municipal area.
Indirect Contracting / nonprofits	Government Failure: Bureaucratic Supply Failure	nonprofit health clinice provide veceinis for Children.