Price-Deman-Income Elasticity Measuring Responsiveness:

Elasticity:

Price

Demand

Income

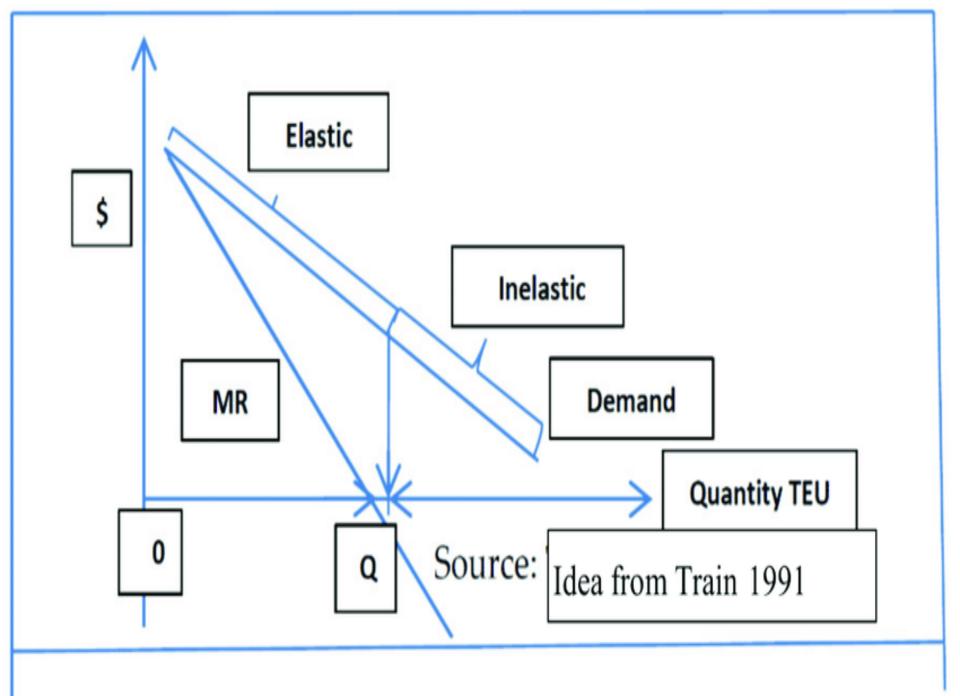
Price Elasticity of Demand

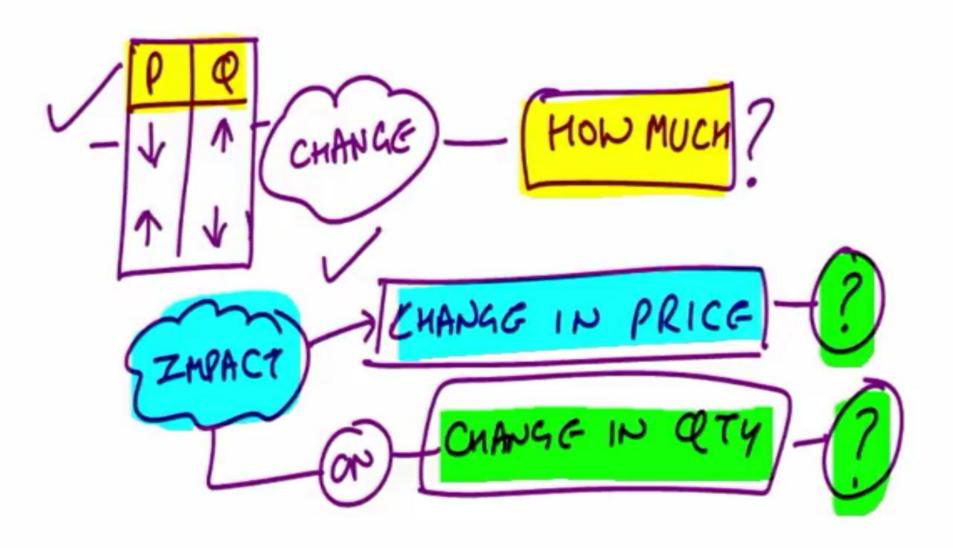
Definition: the effect of change in price on the quantity of demand.

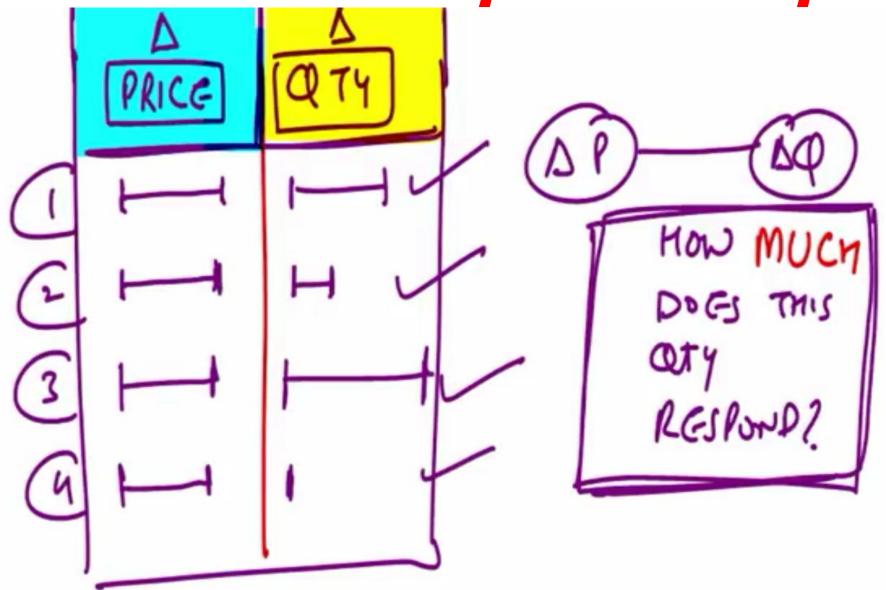


ELASTIC DEMAND

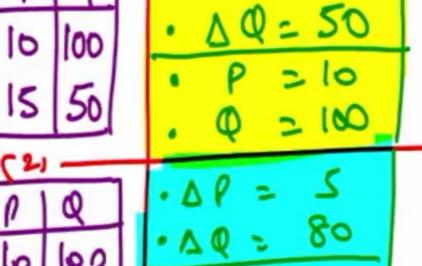
INELASTIC DEMAND

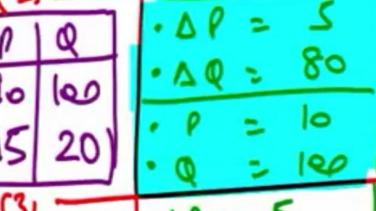


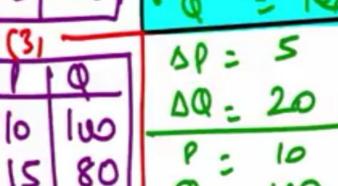




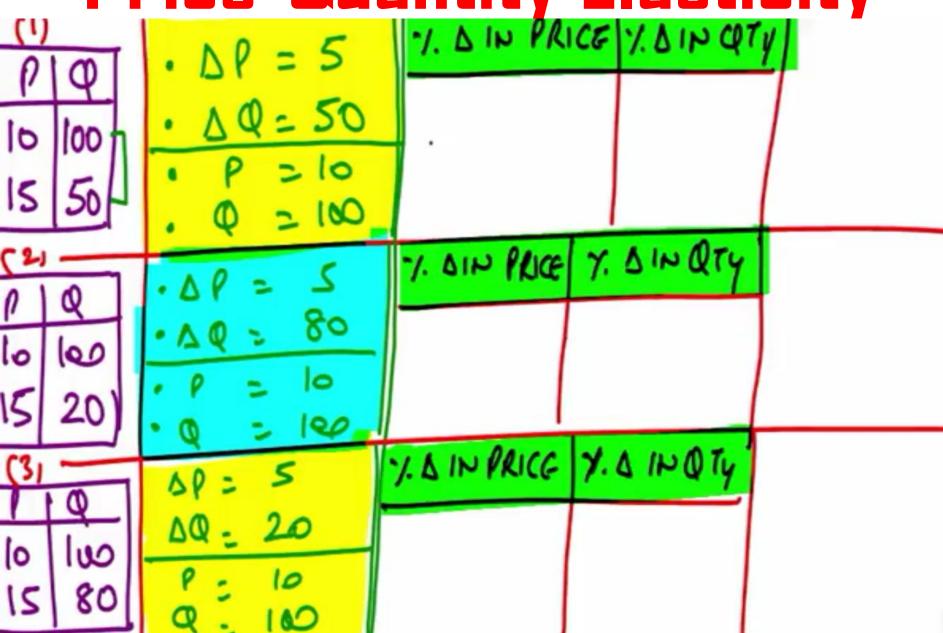


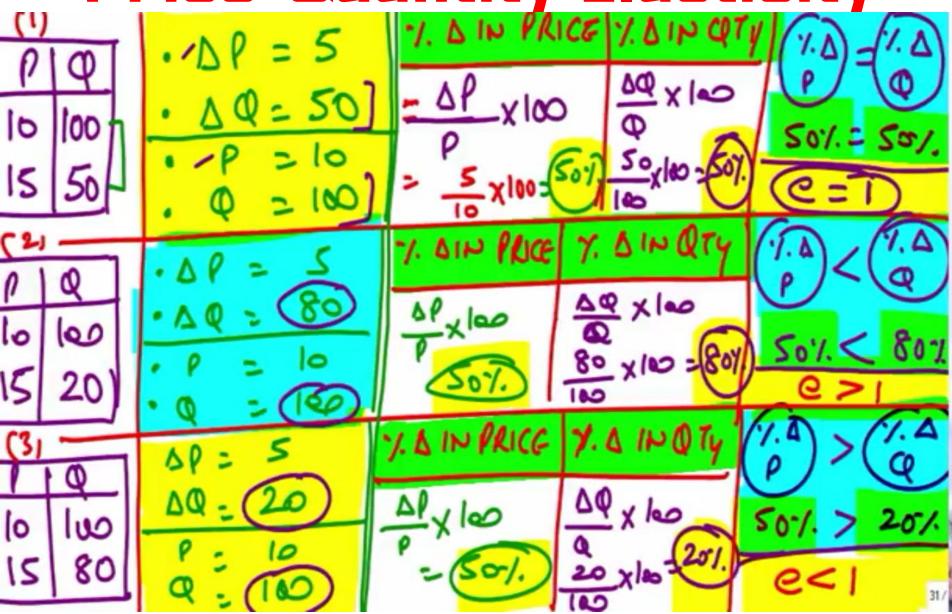


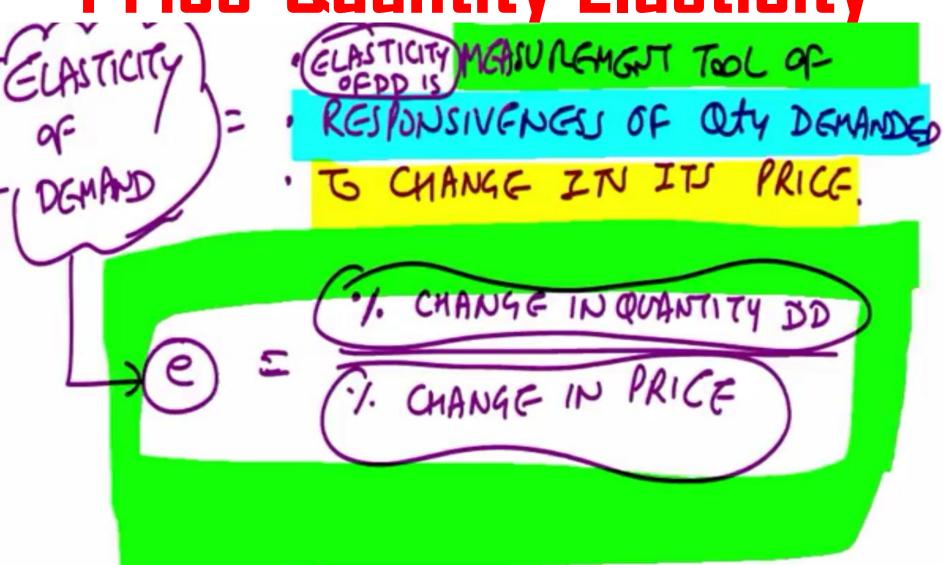


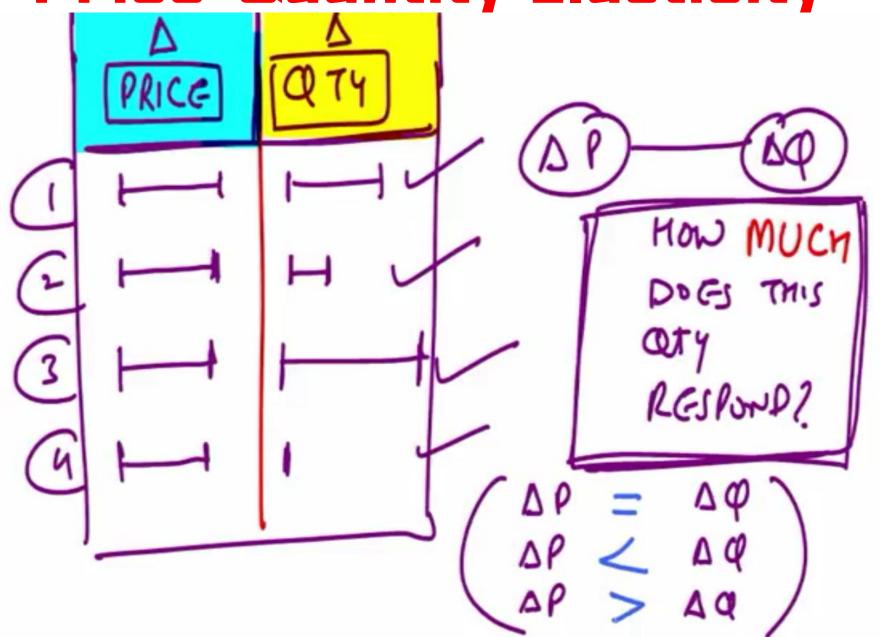






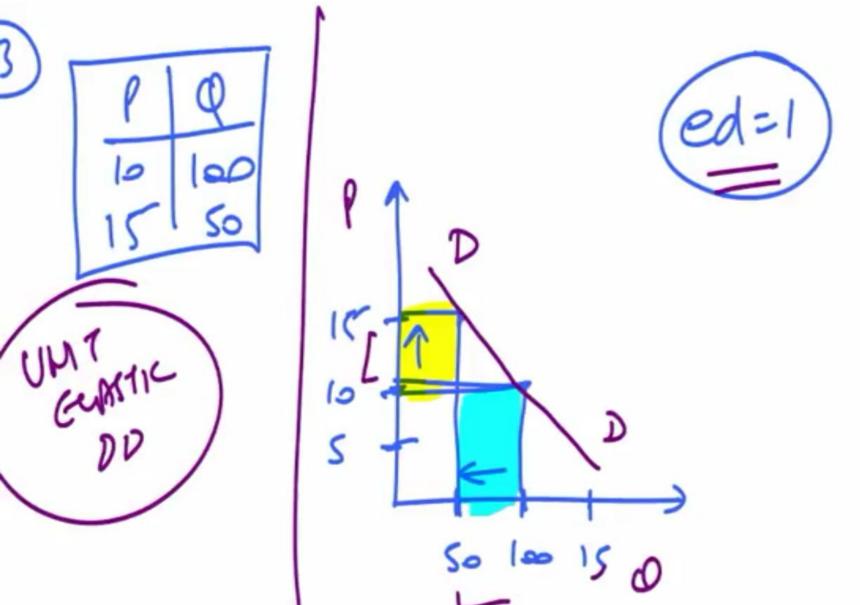




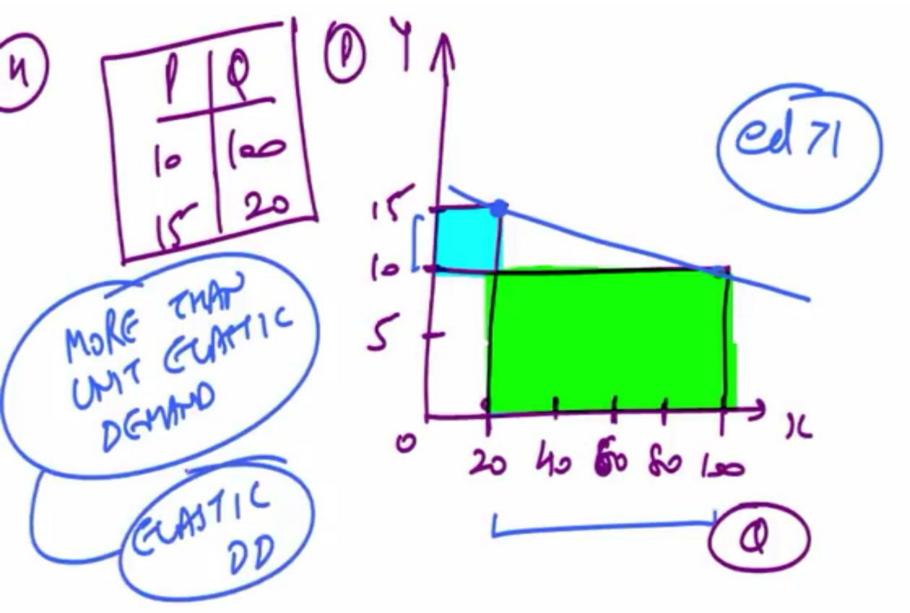


UNIT ELASTIC DEMAND = 1/. 00 ed=1 MORE THAN UNIT -1. DP < 7. DQ GLASTIC DEMAND 7. DP PERFECTLY ENELASTIC PERFECTLY ELASTIC CHANGE 33/

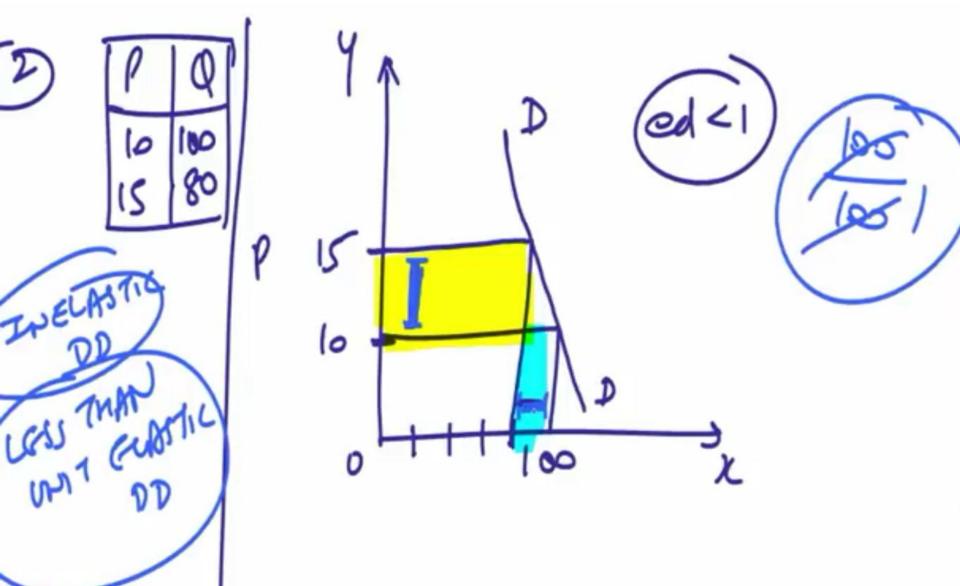
Unit Elastic Demand



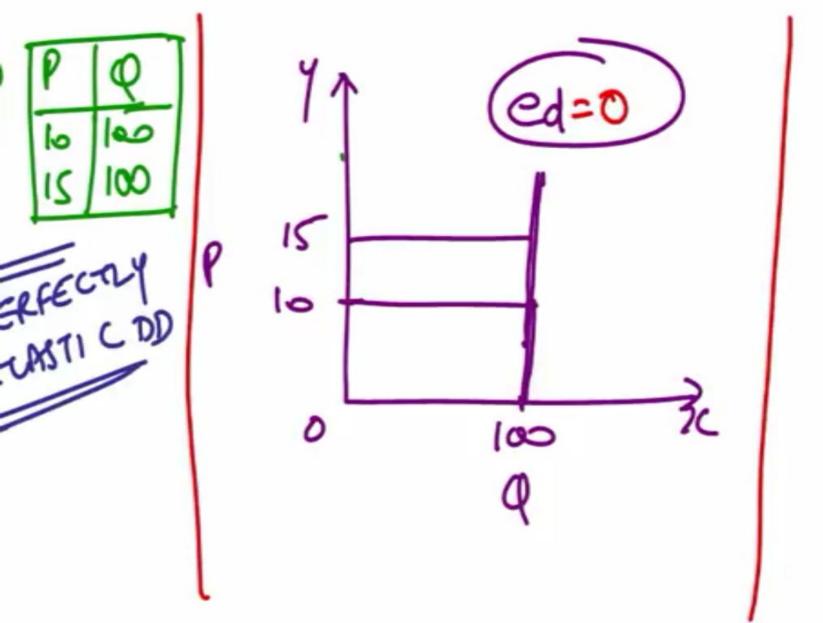
Elastic Demand



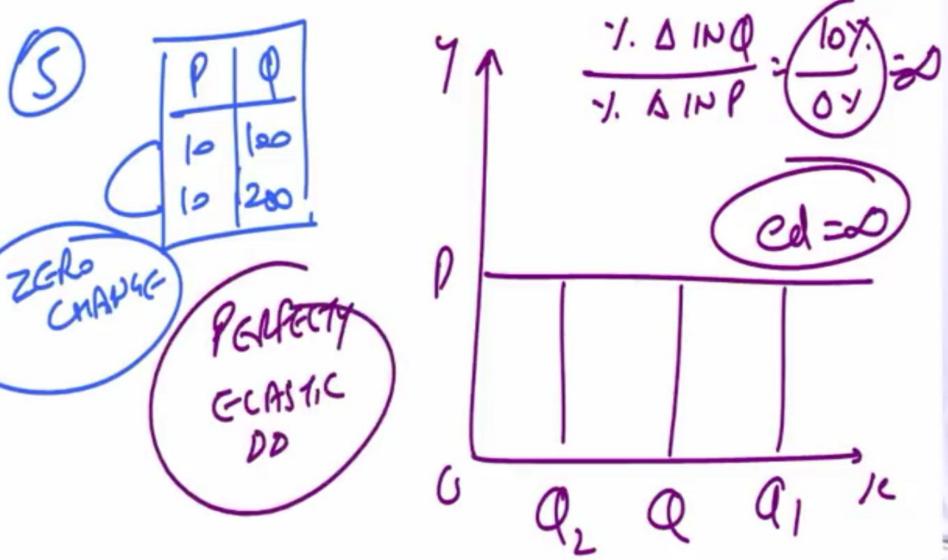
Inelastic Demand



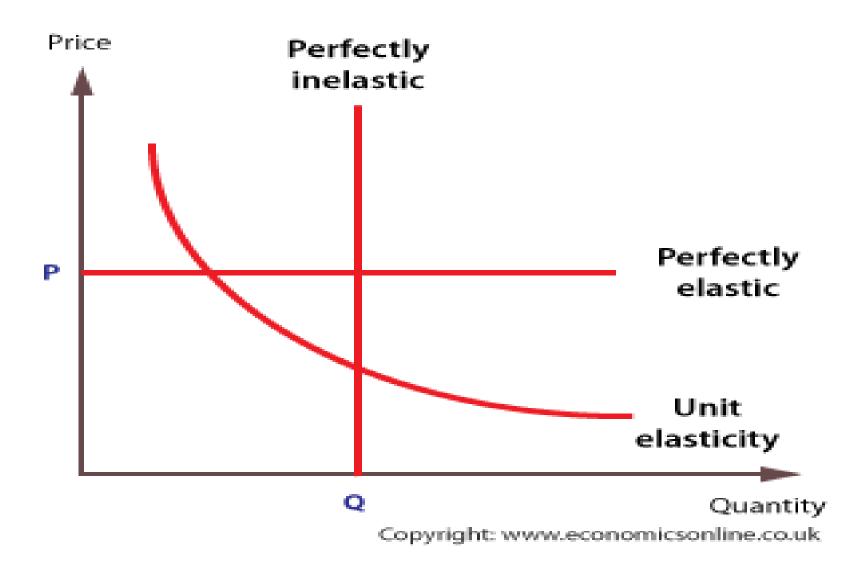
Perfectly Inelastic Demand



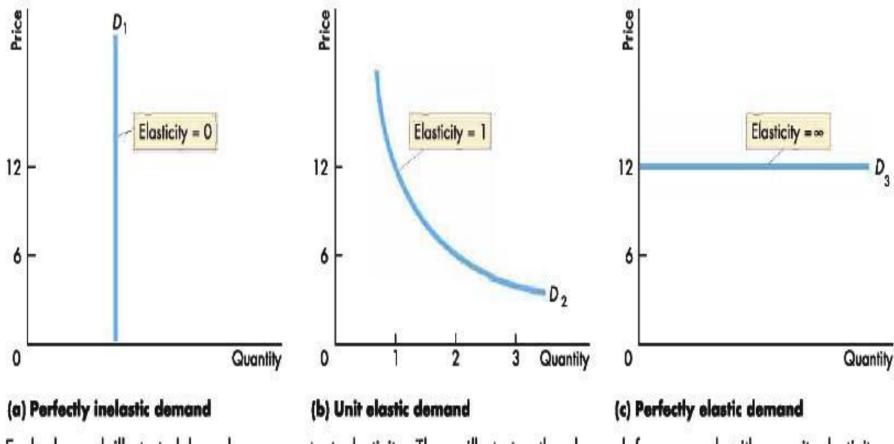
Perfectly Elastic Demand



Elasticity of Demand



Elasticity of Demand

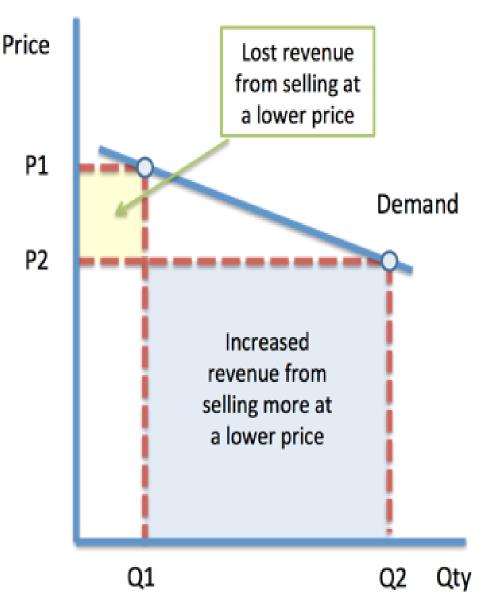


Each demand illustrated here has a constant elasticity. The demand curve in part (a) illustrates the demand for a good that has a zero elasticity of demand. The demand curve in part (b)

illustrates the demand for a good with a unit elasticity of demand. And the demand curve in part (c) illustrates the demand for a good with an infinite elasticity of demand.

Income Elasticity of Demand

- If demand for a product is price elastic, a supplier stands to gain extra revenue if they reduce their prices.
- The change in quantity demanded will be proportionately higher than the reduction in price. This is shown in the diagram opposite.



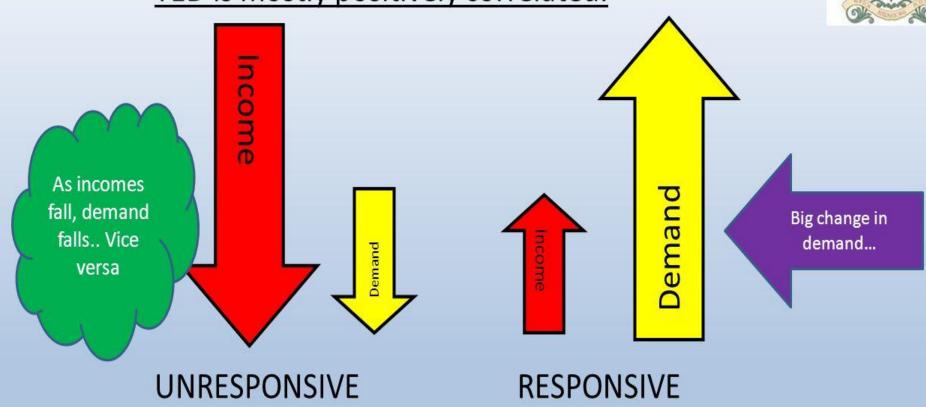
Income Elasticity of Demand

Economics Section: Income elasticity

Further Reading c.9

Keywords – Income elastic, income inelastic, normal good, inferior good, discretionary.

YED is mostly positively correlated.



Price and Income Elasticity of Demand



Elasticity measures the responsiveness of a variable to a change in another variable.

Price Elasticity of Demand (PED)

The responsiveness of the quantity demanded of a good or service to a change in the price.

$$PED = \frac{\Delta\% \text{ in Quantity Demanded}}{\Delta\% \text{ in Price}}$$

$0 \ge PED > -1$ $-1 > PED \ge -\infty$

Inelastic Demand

Percentage change in demand is less than percentage

change in price.

Elastic Demand

Percentage change in demand is more than percentage change in price.

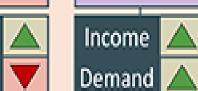
Income Elasticity of Demand (YED)

The responsiveness of the quantity demanded of a good or service to a change in income.

$$YED = \frac{\Delta\% \text{ in Quantity Demanded}}{\Delta\% \text{ in Income}}$$

0 < YED





YED < 0

Income

Demand



Income

YED > 1

Demand

Availability of Product Customer Substitutes Differentiation. Loyalty

Why is it so important to know the Income Elasticity of Demand (YED) from a firm's perspective?