

Course-MACROECONOMICS

Lecture 13 ELASTICITY OF DEMAND August, 2015



TOPICS TO BE DISCUSSED

1. Elasticity of Demand:

Meaning of elasticity of demand

2. Types of Elasticity of Demand

Price elasticity of demand: Meaning and measurement

3. Degrees of price elasticity of demand

- Perfectly elastic
- Perfectly inelastic
- Unitary elastic

ELASTICITY OF DEMAND

Elasticity is a measure of the degree of responsiveness of one variable to changes in another variable.

Elasticity of Demand:

Elasticity of demand is a measure of the degree of responsiveness of demand to changes in its determinants

Greater the elasticity, greater will be the responsiveness

TYPES OF ELASTICITY OF DEMAND

▶Price Elasticity of Demand

►Income Elasticity of Demand

Cross Elasticity of Demand

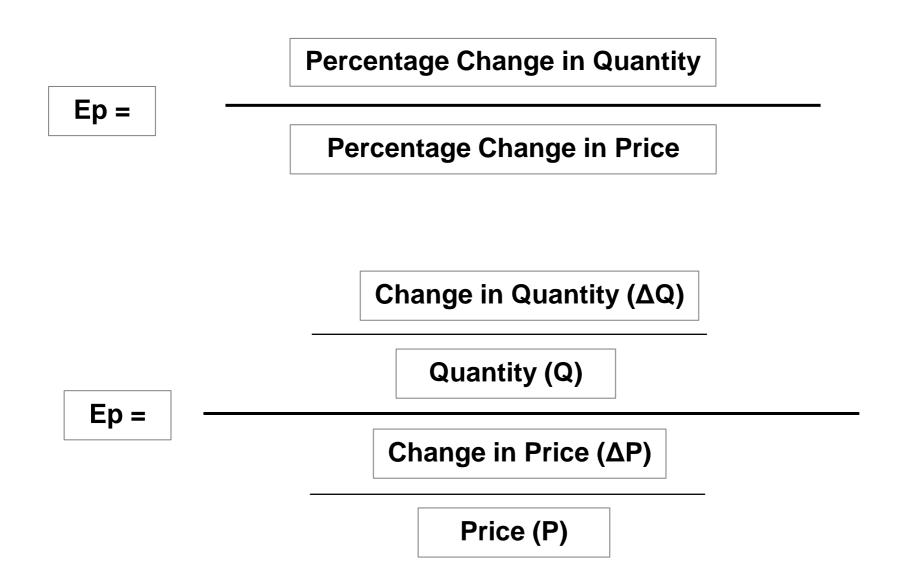
PRICE ELASTICITY OF DEMAND

- ➤ Measures the degree of responsiveness of quantity demanded to change in price of the commodity/product
- Proportionate change in quantity demanded due to change in price

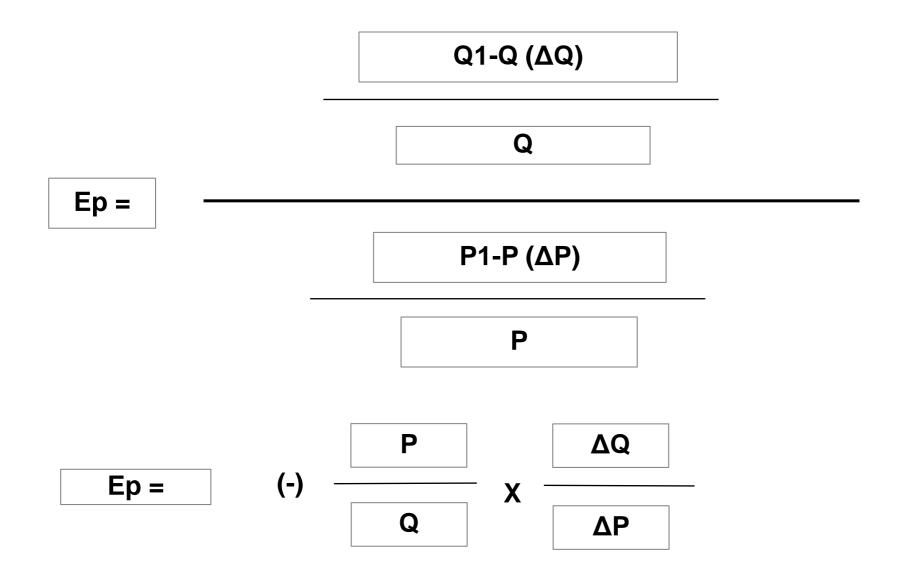
Example: If a computer firm decides to increase selling price of desktop by 5%, What will happen to the demand for desktop?

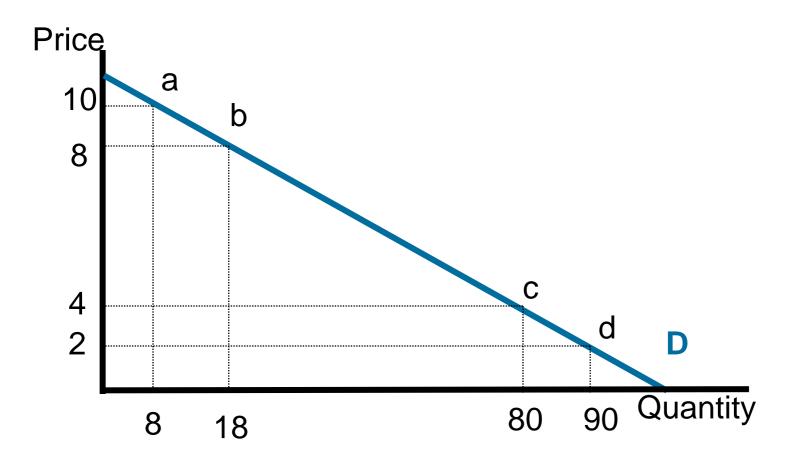
- ➤ Will Increase or Decrease?
- ➤By how much %?

MEASUREMENT OF PRICE ELASTICITY OF DEMAND



PRICE ELASTICITY OF DEMAND





Ep (a --- b) =
$$(10/8)/(-2/10) = -6.25$$

Ep (c ---d) =
$$(10/80)/(-2/4) = -.25$$

INTERPRETATION OF COEFFICIENT OF ELASTICITY OF DEMAND

A price elasticity of -6.25 means that for each 1% change in price the quantity demanded will change by 6.25 %.

If price of a desktop computer increases by 1%, its quantity demanded will decrease by 6.25%

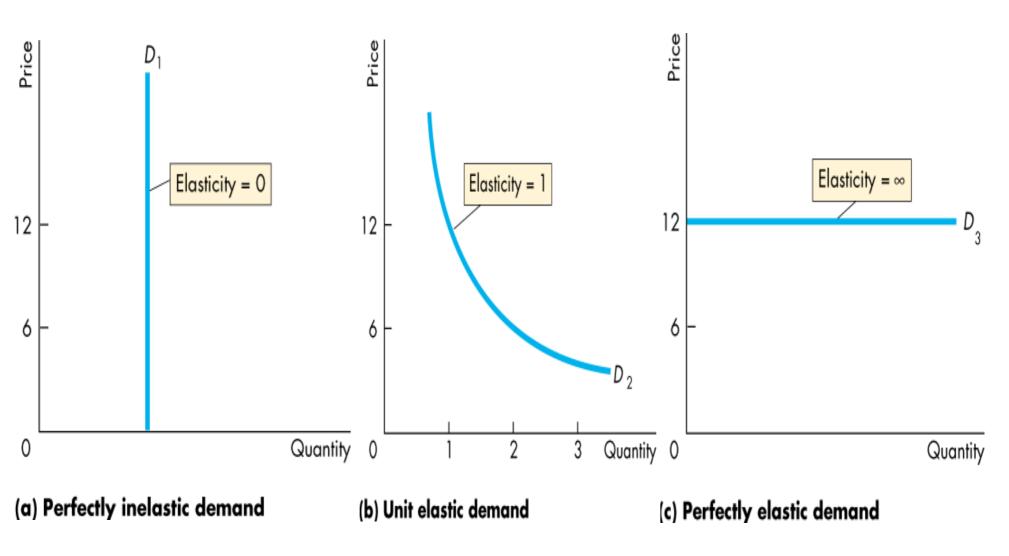
DEGREES OF PRICE ELASTICITY OF DEMAND

➤ Perfectly Elastic Demand

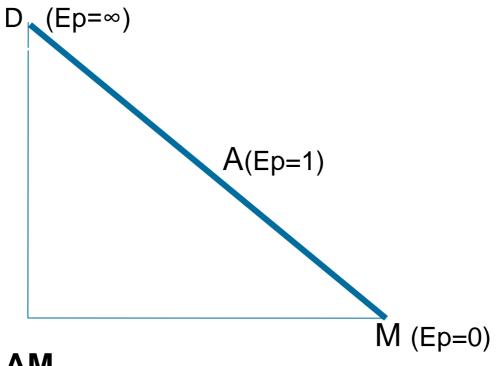
➤ Unit/Unitary Elastic Demand

➤ Perfectly Inelastic Demand

DEGREES OF PRICE ELASTICITY OF DEMAND



DEGREES OF PRICE ELASTICITY OF DEMAND



| Ep | > 1 : Elastic, Comforts

| Ep | < 1 : Inelastic, Necessities

| Ep | = 1 : Unit-elastic, Luxuries

Thank You ©