Recitation 1 Notes 14.01SC Principles of Microeconomics

- I. Supply and Demand Model
 - a. Supply and demand determine prices
 - b. Need a competitive market
- II. Competitive market
 - a. Producers and consumers are price takers (not price setters)
 - i. Do not individually influence prices
 - b. Non-differentiated good
 - i. All goods are the same, non-distinguishable
 - c. Symmetric information
 - i. All producers/consumers have the same knowledge about goods
 - d. No transaction costs
 - i. Buying/selling does not include any extra costs
- III. Demand

 $\begin{aligned} \mathbf{Q}_{\mathrm{D}} &= \mathbf{D}(\mathbf{P}) \\ \mathrm{d}\mathbf{Q}_{\mathrm{D}}/\mathrm{d}\mathbf{P} &< 0 \end{aligned}$



Also influenced by:

- Income (I)
- Tastes
- Substitutes
- Complements



Change in Q_D – movement along demand curve Change in demand – shift of demand curve, change in variables other than price

Example: Market for Pork $Q_D(P, I, P_{beef}) = 7 - 2P + 3I + P_{beef}$ If I = 4, $P_{beef} = 1$, then $Q_D(P) = 20 - 2P$ $P = 10 - 1/2 Q_D$ If I=4, $P_{beef} = 3$, then $Q_D(P) = 22 - 2P$ $P=11 - 1/2 Q_D$ If I=2, $P_{beef} = 1$ $Q_D(P) = 14 - 2P$ $P = 7 - 1/2 Q_D$





0

D

Quantity (Q)

Example: 20-2P* = 8+4P* P* = 12 Q* = 16 14.01SC Principles of Microeconomics Fall 2011

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