### **UN1105** Principles of Economics

Recitation 1

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Introduction

Review of Concepts

• Q1: K&W Problem 3.1

• Q2: K&W Problem 3.8

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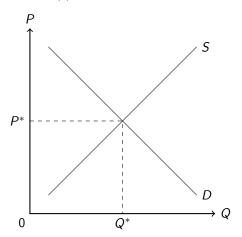
Q2: K&W Problem 3.8

- 1. Foundational concepts
  - (i) Scarcity
  - (ii) Opportunity costs.
  - (iii) Incentives matter.
  - (iv) Economists focus on efficiency, but other considerations matter too.
  - (v) Remark: Use of models within economics.

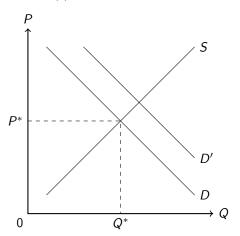
#### 2. Demand and Supply Model

- (i) What type of market are we focusing on?
- (ii) Demand-side
  - What is the demand schedule?
  - Law of demand.
  - Distinguish between movements along, and shifts of, the curve.
  - What factors shift the demand curve?
  - Normal v inferior goods.
  - Market demand v individual demand.
- (iii) Supply-side
  - What is the supply schedule?
  - No law of supply, but usually upward sloping.
  - Distinguish between movements along, and shifts of, the curve.
  - What factors shift the demand curve?
  - Market supply v individual supply.
- (iv) Equilibrium
  - Why does a competitive market move towards this point.
  - How are surpluses/shortages resolved?
  - How does the equilibrium price/quantity change following an increase in demand? An increase in supply?

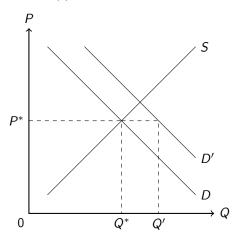
(a) Increase in Demand



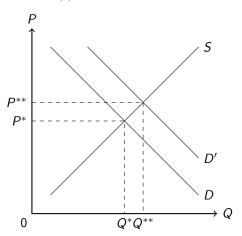
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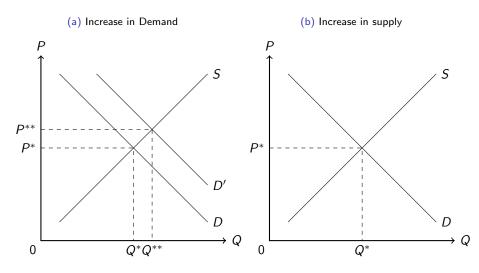


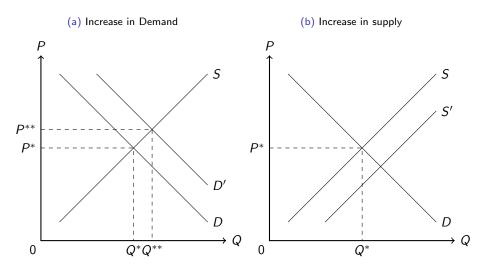
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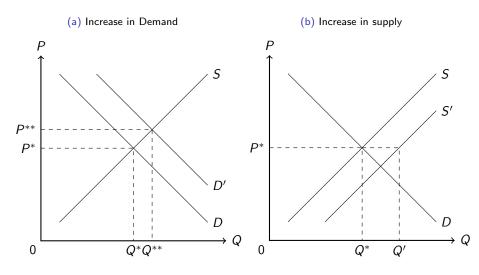


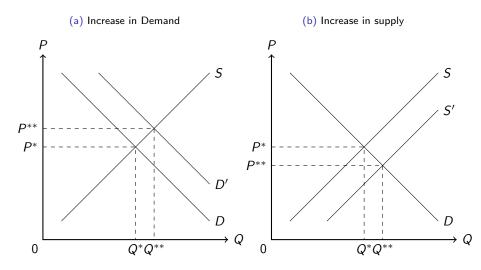
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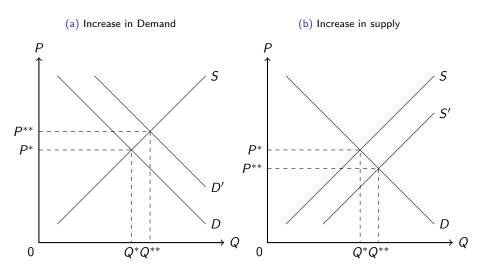












- (a) D $\uparrow \to \text{shortage} \to P \uparrow$ , Q $\uparrow$ . Note P and Q move in the same direction.
- (b)  $S\uparrow \rightarrow \text{surplus} \rightarrow P\downarrow$ ,  $Q\uparrow$ . Note P and Q move in opposite directions.

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- (c) The discovery of cheaper synthetic vanilla flavoring lowers the price of vanilla ice cream.
- (d) New technology for mixing and freezing ice cream lowers manufacturers' costs of producing chocolate ice cream.

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Suppose that the supply schedule of Maine lobsters, as well as the domestic and foreign demand schedules, all in pounds, are given by

Table 1: Supply and Demand Schedules for Maine Lobsters

| Price | Supply | Domestic Demand | Foreign Demand |
|-------|--------|-----------------|----------------|
| 25    | 800    | 200             | 100            |
| 20    | 700    | 400             | 300            |
| 15    | 600    | 600             | 500            |
| 10    | 500    | 800             | 700            |
| 5     | 400    | 1000            | 900            |

(a) Draw the domestic demand curve and the supply curve for Maine lobsters. What are the equilibrium price and quantity of lobsters?

Figure 2: Maine Lobsters

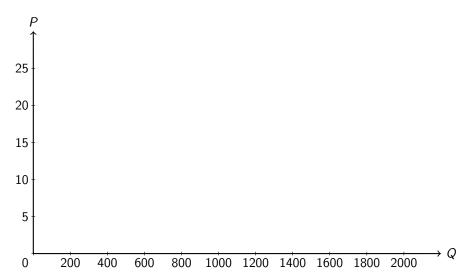


Figure 2: Maine Lobsters

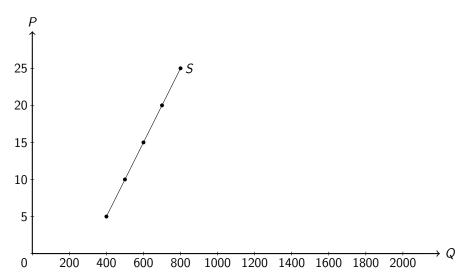


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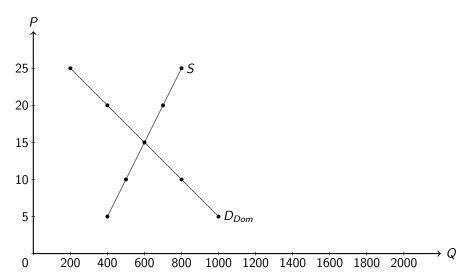
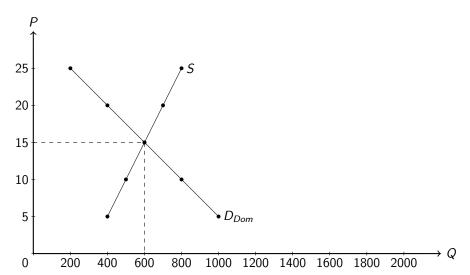


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- (a) Draw the domestic demand curve and the supply curve for Maine lobsters. What are the equilibrium price and quantity of lobsters?
- (b) Now suppose that Maine lobsters can be sold internationally. What is the demand schedule for Maine lobsters now that foreign consumers can also buy them? Draw a supply and demand diagram that illustrates the new equilibrium price and quantity of lobsters. What will happen to the price at which fishermen can sell lobster? What will happen to the price paid by U.S. consumers? What will happen to the quantity consumed by U.S. consumers?

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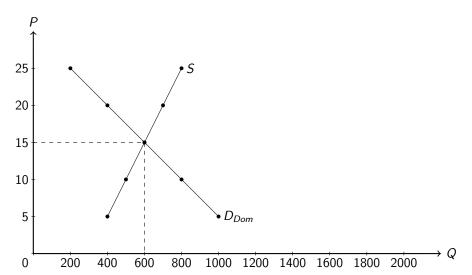


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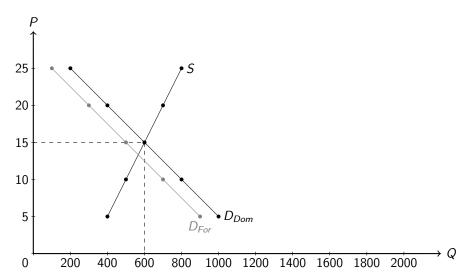


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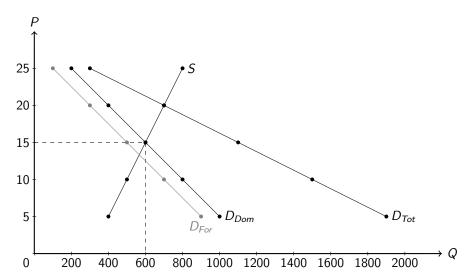


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