## MGT 104

## Micro Economics

#### **Supply**

Supply refers to the quantity of a good or service that producers are willing and able to sell at various prices during a specific period.

It shows the relationship between price and quantity supplied.

The higher the price, the greater the quantity supplied-ceteris paribus (other things remaining constant).

#### **Law of Supply**

- ✓ The law of supply states that, other things being equal, the quantity supplied of a good rises when the price of the good rises.
- ✓ This relationship is direct or positive.
- $\checkmark$  Mathematically, it can be expressed as: Qs = f(P)
- ✓ Example: As the price of rice increases, farmers are more willing to supply more rice.

#### **Supply Curve**

- > A supply curve is a graphical representation of the relationship between price and quantity supplied.
- It slopes upward from left to right, showing a positive relationship.
- > Movement along the curve occurs due to change in price.
- > Shift of the supply curve occurs due to non-price factors like technology, input cost, etc.

#### **Determinants of Supply**

- ✓ Price of the commodity
- ✓ Price of related goods
- ✓ Cost of production
- ✓ Technology
- ✓ Government policies
- ✓ Natural factors
- ✓ Future expectations
- ✓ Number of sellers

#### **Elasticity of Supply**

Elasticity of supply measures the responsiveness of quantity supplied to changes in price.

Formula: Es = (% Change in Quantity Supplied) / (% Change in Price)

#### Types of elasticity:

- ☐ Perfectly Elastic
- ☐ Perfectly Inelastic
- □ Relatively Elastic
- □ Relatively Inelastic
- ☐ Unitary Elastic

#### **Exceptional Supply Curve**

- ✓ In some cases, the law of supply does not hold true.
- ✓ The supply curve may slope backward or downward.

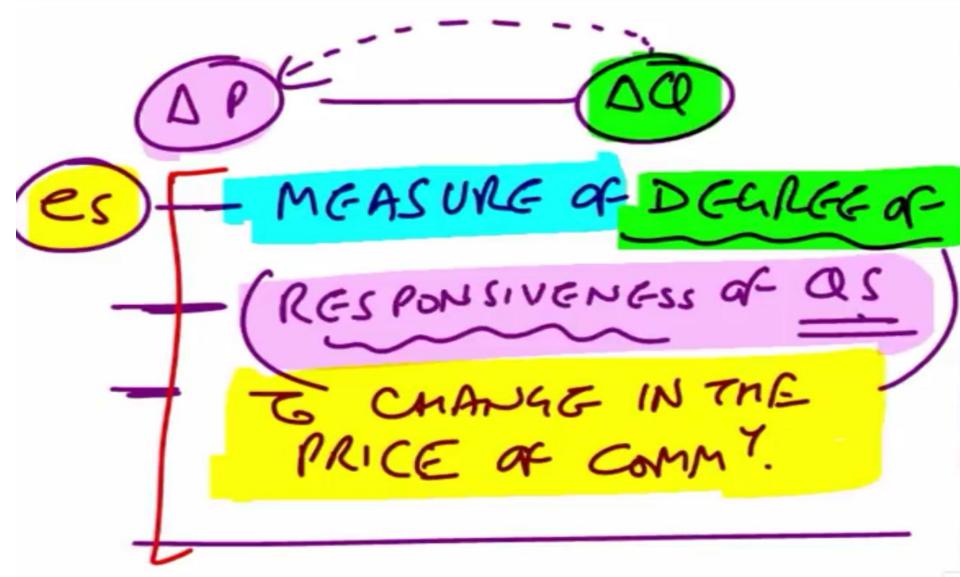
#### Causes:

- Limited stock (e.g., rare goods)
- Agricultural goods with natural constraints
- Labor supply beyond a certain wage level decreases (backward bending supply curve)

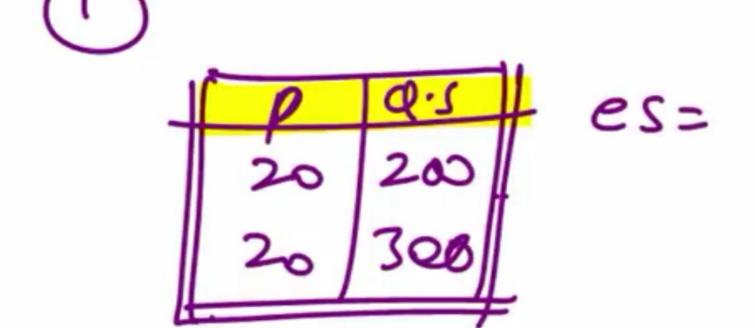
Example: Artists' rare paintings, antique goods, or labor at high wage levels.

# Price Elasticity of Supply

## **Price-Supply Elasticity**



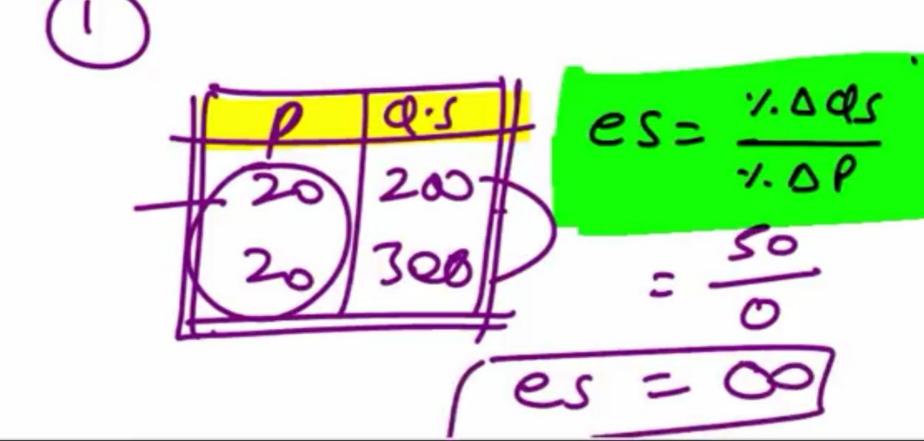
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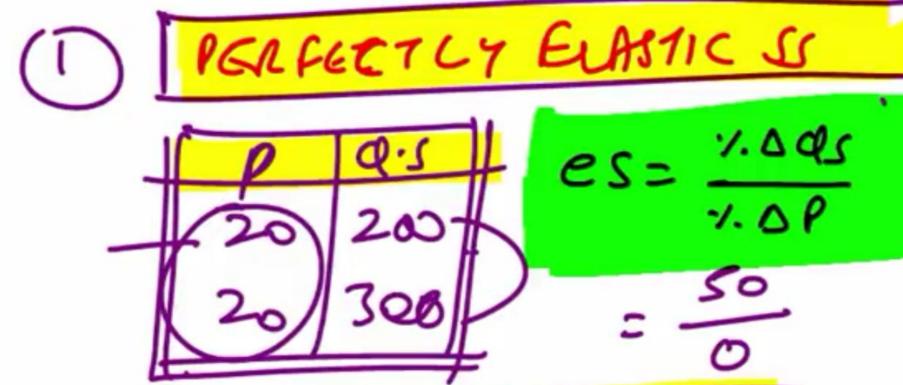
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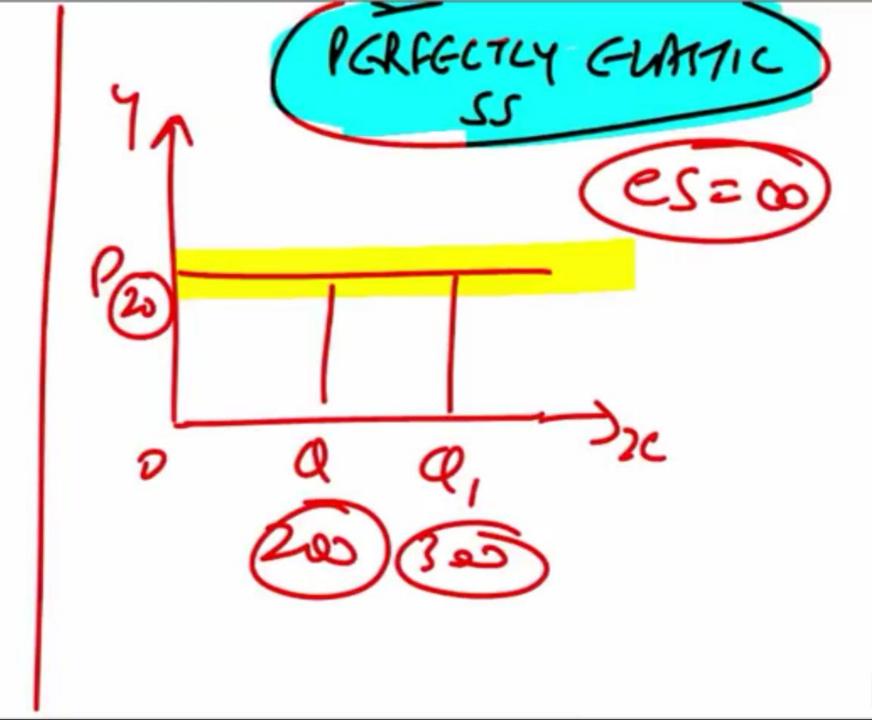
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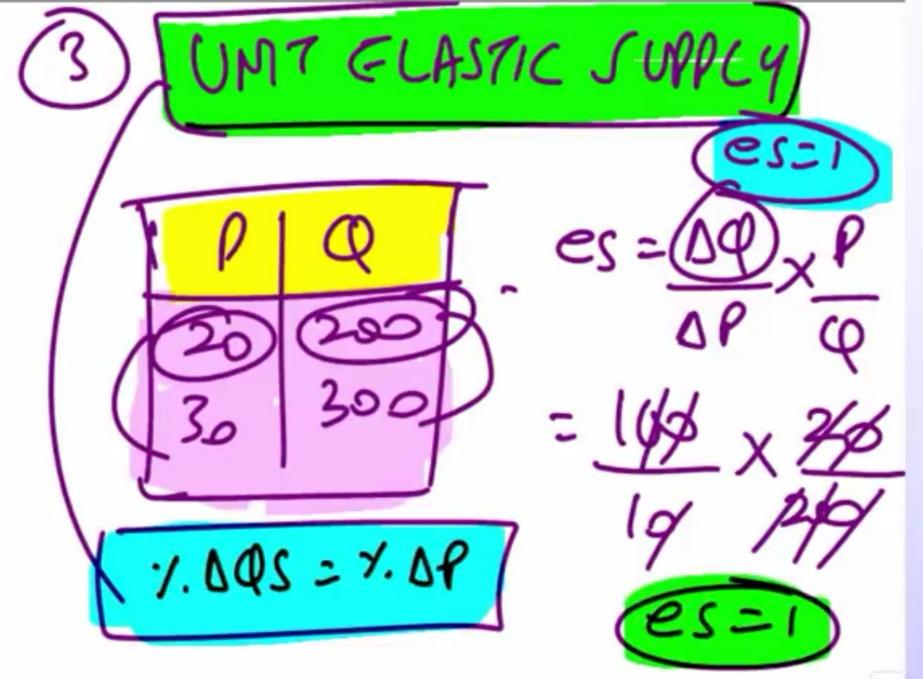


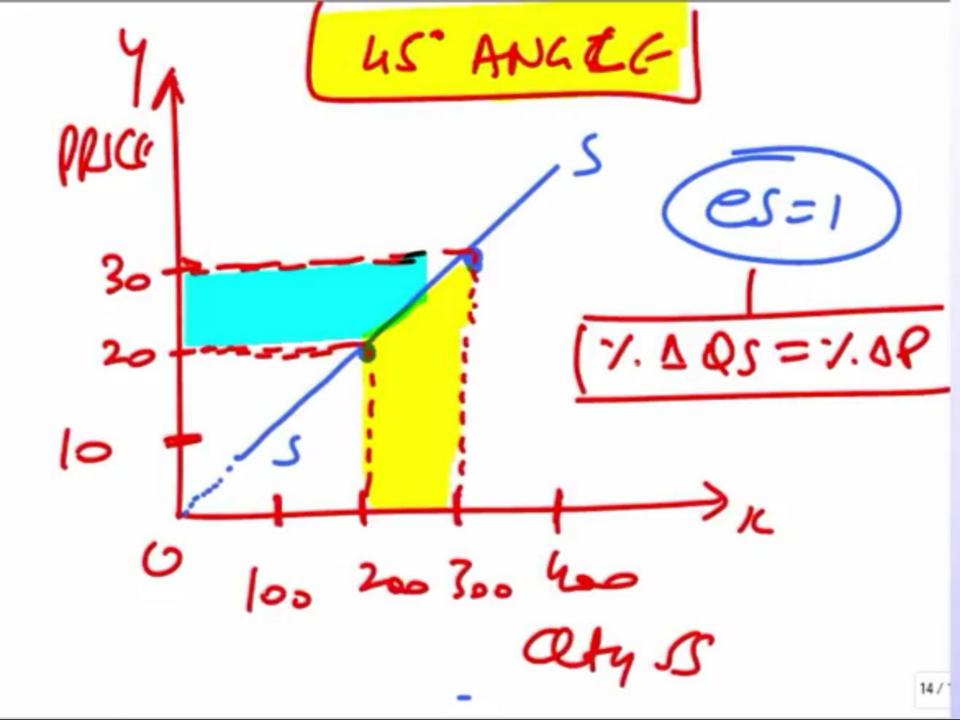
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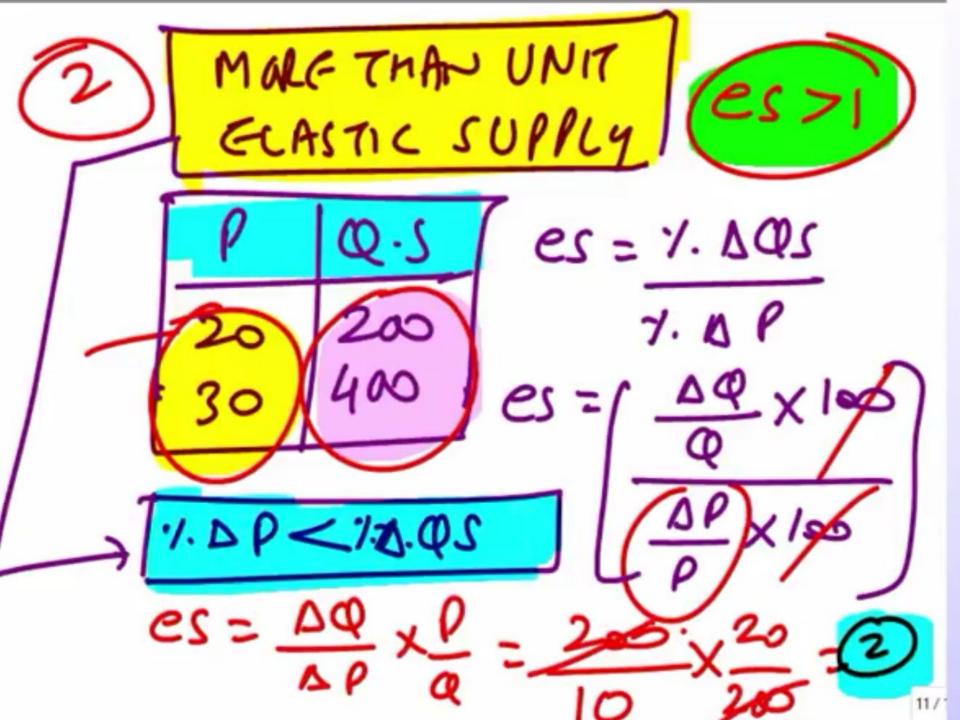


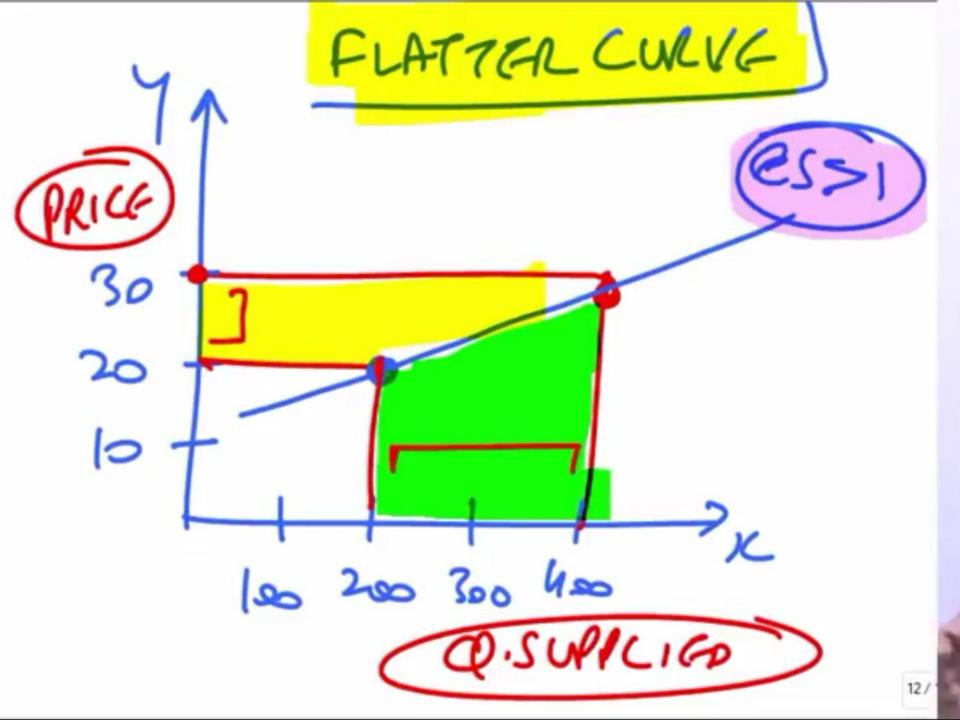
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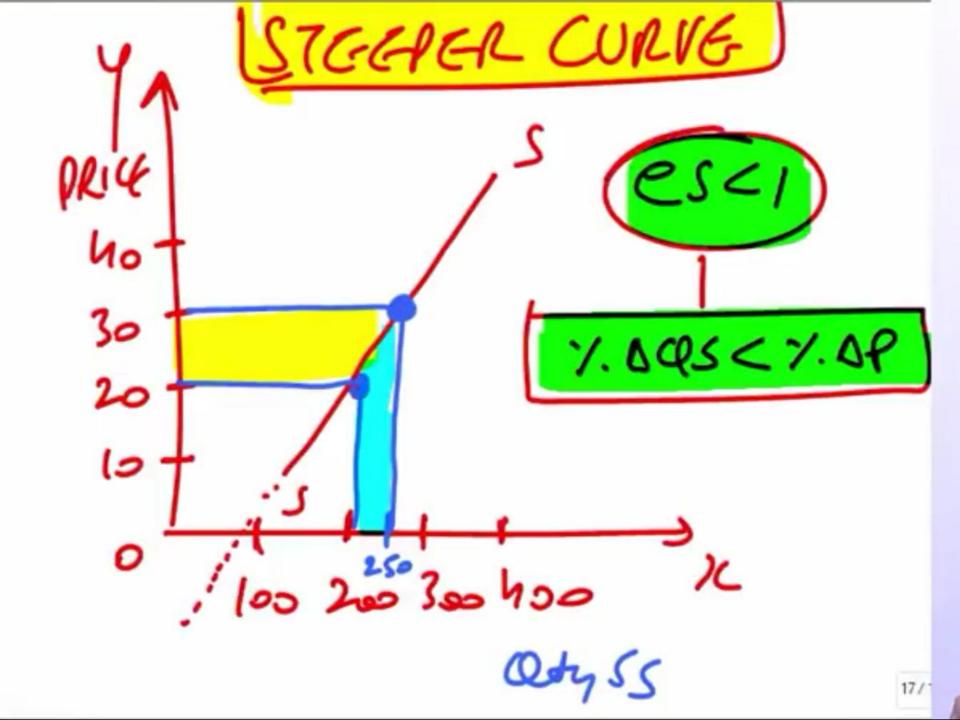




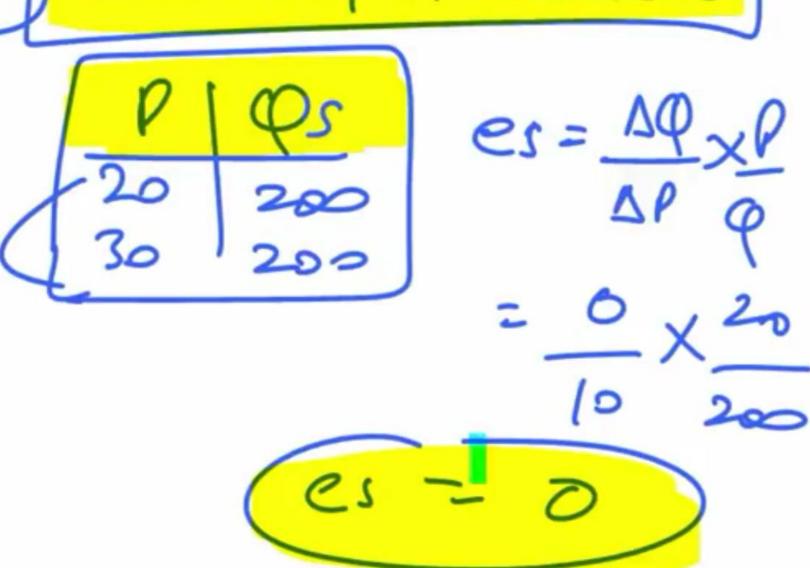


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## (5) PERFECTLY INELASTIC SS



## Perfectly Inelastic Supply

