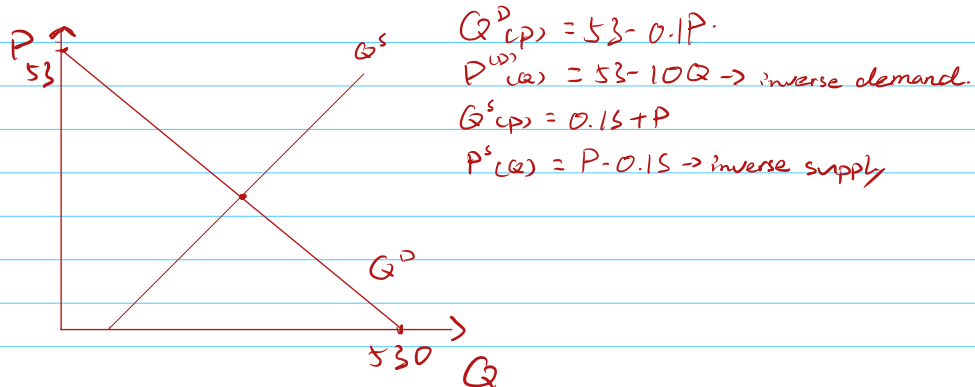


Demand

- how much the market will buy for any given price
- the market's willingness to pay for each unit of the good.
- the law of demand: quantity demanded is decreasing in price (assuming all else keep constant).

Ex.



Supply

- how much the market supplies at any given price.
- the market's willingness to supply each unit.

Market equilibrium.

the point at where $Q^D(p) = Q^S(p)$

equilibrium consist of both quantity and a price.

Ex: $Q^D(p) = 500 - 4p$

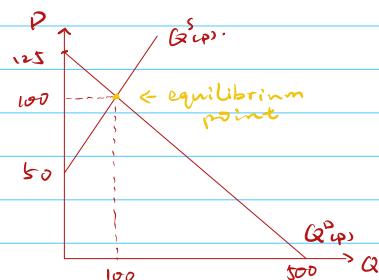
$Q^S(p) = 2p - 100$ if $P \geq 50$

$= 0$ if $P \in [0, 50)$ \Leftrightarrow there's no negative supply.

Equilibrium is at p such that $Q^D(p) = Q^S(p)$,

$500 - 4p = 2p - 100$

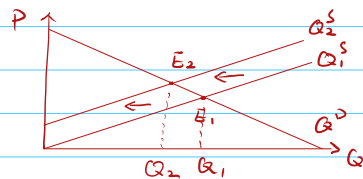
$p = 100 \quad Q^D(p) = Q^S(p) = 100$



Shift in demand & supply.

If anything other than price changes, demand / supply shift.

For example: an increase in the cost in a factor of production will decrease supply for every price i.e. a shift left of the curve.



⇐ the equilibrium point shift left.

Exercise:

1. Increase in just supply ↘
- 2 demand →
- 3 Decrease supply ↑
- 4 demand ←