

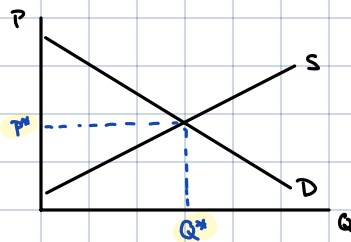
MODULE 4: MARKETS

WHAT IS A MARKET?

- the setting that brings buyers & sellers together
 - buyers demand goods & are willing to pay for them
 - sellers supply goods & want profit
- markets organize these transactions

MARKET EQUILIBRIUM

- condition when $Q_D = Q_S$
- at equilibrium, both sides agree on price
- we can find eqb graphically:



- we can find eqb numerically
- ⊗ say we have the following Supply & Demand curves

$$Q_D = 80 - \frac{1}{2}P$$

$$Q_S = P - 10$$

(1) set $Q_D = Q_S = Q$

$$Q = 80 - \frac{1}{2}P$$

$$Q = P - 10$$

(2) solve for P

$$P - 10 = 80 - \frac{1}{2}P$$

$$1.5P = 90$$

$$P = 90 / 1.5$$

$$P^* = 60$$

(3) Plug in Price to either S or D equation to find Q^*

$$Q^* = 80 - \frac{1}{2}(60)$$

$$Q^* = 80 - 30$$

$$Q^* = 50$$

- what happens when we are not in eqb
 - $P > P^*$, we have excess supply ($Q_D < Q_S$)
 - $P < P^*$, we have excess demand ($Q_D > Q_S$)

