Des: Competitive market

-1 good

- many buges

- many seles

Des: Demand

- Represents the behavior of buyers

| Pes: | Demand Curve

- Shows Quantity Demanded at vortous prices

- The Quantity that bayers are willing I able to

purchase @ a particular price

Examples

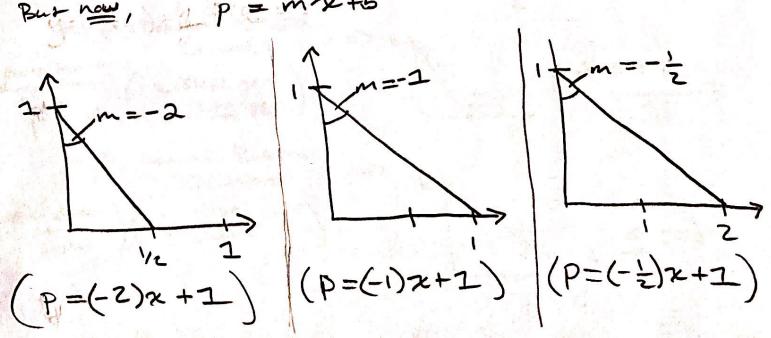
The Linear Demarch Curve

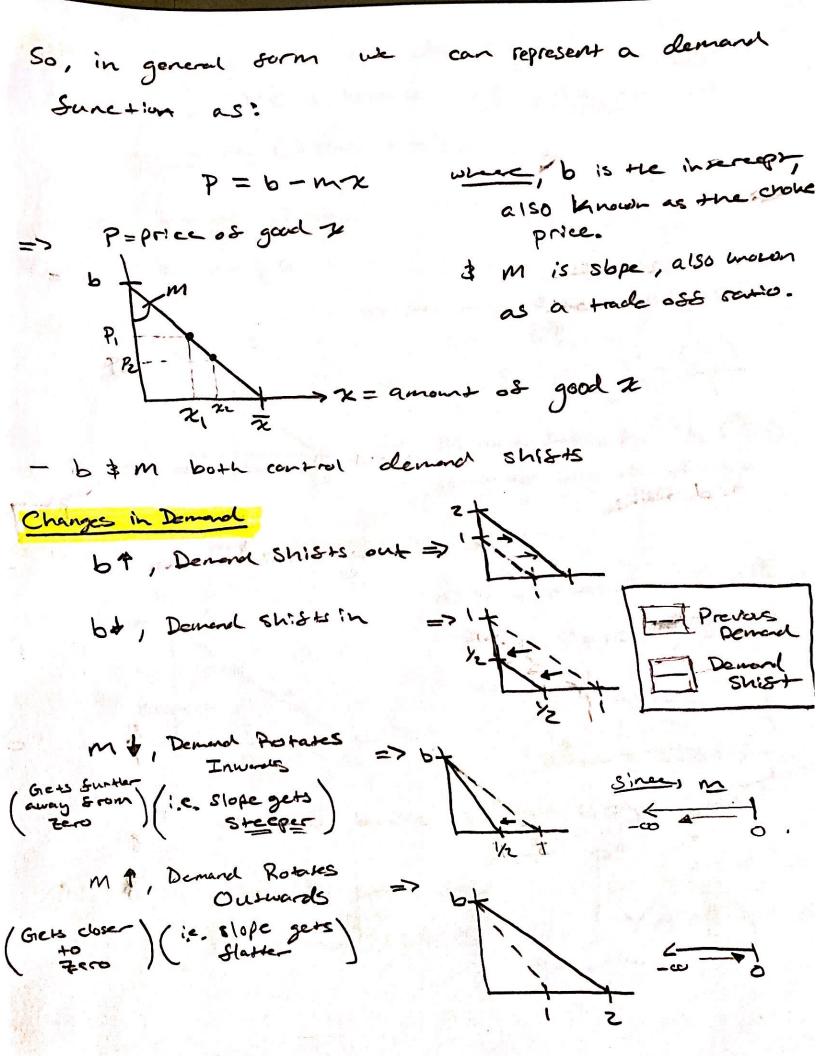
Aga'm

y= mx+b where m <0 sentens interesting

1 p= mx+b But now,

$$\int_{-\infty}^{\infty} \frac{1}{(n-c)^{2\nu+2}}$$





Slide 5: Note that the demand curve is always decreasing. This is because as price fans, we can buy were (& vice versa).

Linear Demand Curve

$$P_{i} = \frac{10}{5}$$

$$R_{i} = 10$$

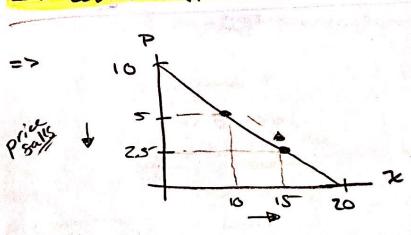
$$20$$

$$80r 5 \frac{16}{5}$$

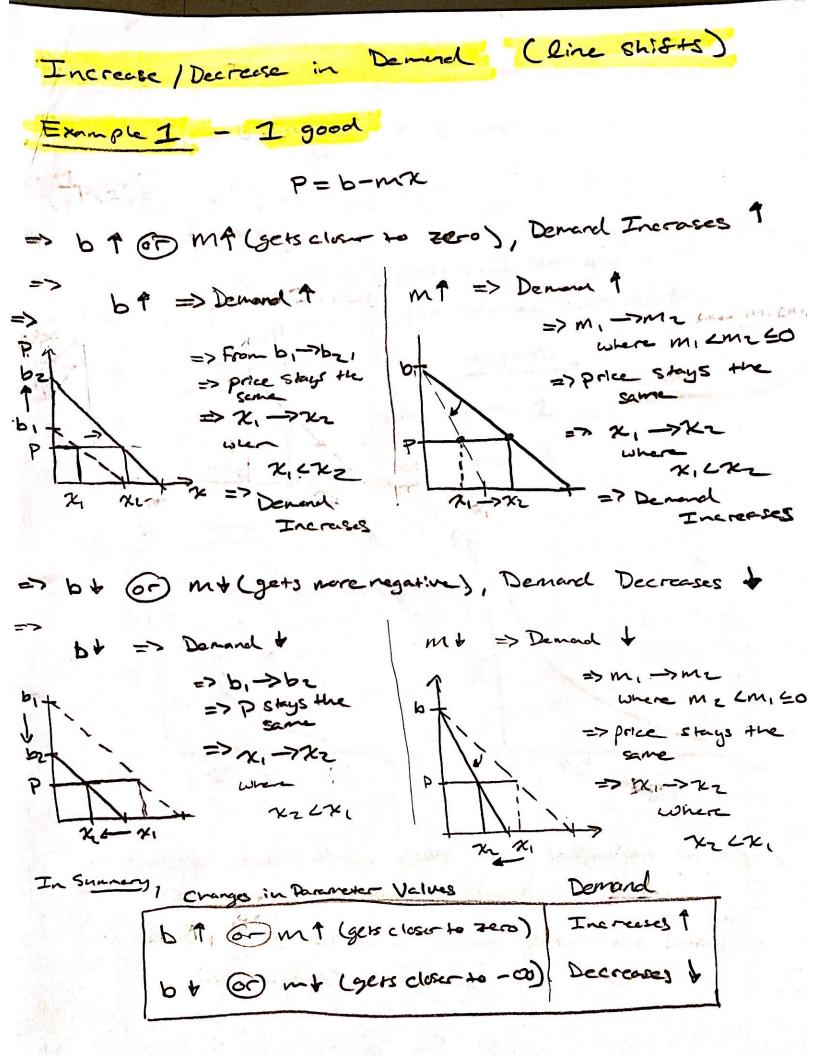
$$\Rightarrow m = -\frac{5}{10} = -\frac{1}{2} = -\frac{1}{1}$$

consumes will denot one unit

> What happens when price 5=1157







Example 2 - Cobb-Doughas Demand (2-goods)

Let the denord ser goods 2 & goods 2 be
$$(\chi_1^*, \chi_2^*) = \left(\frac{\alpha}{(\alpha+\beta)} \frac{M}{P_1}, \frac{\beta}{(\alpha+\beta)} \frac{M}{P_2}\right)$$

d = The consumer's preservence for good 1

B = The consumer's preservence for good 2

M = The consumer's income.

D = The price of good 2

P2 = The price of good 2

Shope of Curre

Pi X

P2 X2* X.

where

- Notice that these goods are independent in terms
- Normal goods because Demand increases when income (M) increases.

Shar: 17 Learning By Doing: Question 2 Price of car tires increases => b >> b, P (x,p) => x ->> when PLP' スンス => Decrease in Denard b) Demand for Aluminum 9 => Price for Aluminum + => Cost less to produce cons => Price Som cars drops => Quantity at cors demanded increases...? (Tough sell) C) Grasoline Proces drop Cars & Gasoline are complements => Is price as gas drops, downed will increase \$ shidt signs d) Hamburgers T => Auto donard ?? (Tough Sell)

=> Answer is C