Demand (416)

5/12/2020 Lecture #2

Note: If we want to plot demand curve.

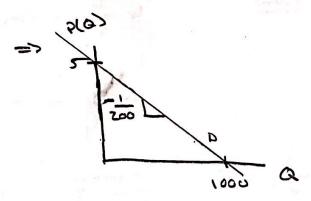
$$= \frac{1}{200} \alpha^{0} = 5$$

$$\Rightarrow c + p(a) = 0$$

$$\Rightarrow c + q(a) = 0$$

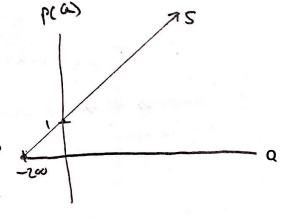
$$\Rightarrow c + q(a) = 0$$

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Supply (3/5)

=>
$$P(a) = \frac{1}{700} a^3 + 1$$



Elacticity (7/14)

$$E = \frac{\% \Delta Q}{\% \Delta P} \qquad 69 \qquad E = \frac{\Delta Q/Q}{\Delta P/P}$$

$$= \frac{\Delta Q}{\Delta P} \qquad \frac{P}{Q}$$

$$= \frac{\partial Q^*(P,W)}{\partial P} \qquad \frac{P}{Q^*(P,W)}$$

Example

Assume we have our optimal demends in terms of the good's own price (Pi), the consumers income (M), & their preference parameter for that good (d)

= -2-

$$\Rightarrow$$
 $Q^*(P,W,A) = \frac{A}{P}W$

$$E_{p} = \left(-\frac{\alpha}{pz}u'\right) \frac{P}{\left(\frac{\alpha}{p}u'\right)}$$

value