iClicker Pop Quiz 5 Modules 11 – 12

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WSU

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The price elasticity of demand measures

- (a) the slope of a budget curve.
- (b) how often the price of a good changes.
- (c) the responsiveness of the quantity demanded to changes in price.
- (d) how sensitive the quantity demanded is to changes in demand.

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If demand for a good is inelastic, what would the demand curve for this good look like

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- (b) It would be upward sloping.
- (c) It would be downward sloping and relatively flat.
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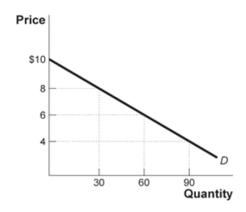
When there are fewer substitutes, demand tends to be

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Figure: The Demand for e-Books
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According to graph, the price elasticity of demand _____ when the price increases from 4 to 6 dollars _____ when it increases from 6 to 8 dollars. (USE MIDPOINT METHOD)

- (a) is more elastic; than
- (b) has the same elasticity; as
- (c) is less elastic; than
- (d) is unit elastic; and

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- (a) is more elastic; than
- (b) has the same elasticity; as
- (c) is less elastic; than See math key attached below.
- (d) is unit elastic; and

A 10 percent increase in the quantity of spinach demanded results from a 20 percent decline in its price. The price elasticity of demand for spinach is

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- (b) 2
- (c) 10
- (d) .5

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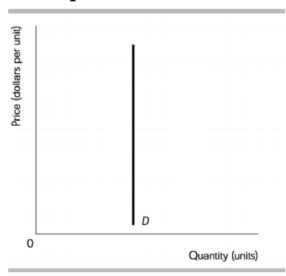
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- (c) zero to 1

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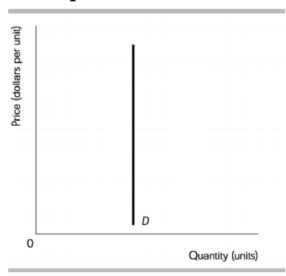
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- (b) **0 to infinity**
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The figure depicts a good with a vertical demand curve. The demand curve in the figure below illustrates the demand for a product with



- (a) unit price elasticity of demand at all prices
- (b) a price elasticity of demand that is different at all prices.
- (c) infinite price elasticity of demand
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Use the figure below to calculate the price elasticity of demand for the segment CD (i.e. from point C to point D). (Use the midpoint method and please take the absolute value.)

Figure: The Demand for Shirts

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- (a) .71
- (b) 1
- (c) 1.4
- (d) .29

Use the figure below to calculate the price elasticity of demand for the segment CD (i.e. from point C to point D). (Use the midpoint method and please take the absolute value.)

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- (a) .71
- (b) 1
- (c) **1.4**
- (d) .29

Price Elesticity Soon 48 >69

$$0 \% \triangle Od = \frac{(60-90)}{\frac{(60+90)}{2}} = \frac{-30}{\frac{150}{2}} = -\frac{30}{75}$$

$$= -\frac{6}{15} = \frac{2}{5}$$

$$0 \% \triangle OL = \frac{(30-60)}{(60+30)} = \frac{-30}{992} = \frac{-30}{45} = -\frac{3}{3}$$

$$90 \triangle P = (8-6) = \frac{2}{3}$$

$$\frac{\partial}{\partial x} = \frac{\partial}{\partial x} = \frac{\partial}$$

=>
$$\varepsilon_{0}^{2} = -\frac{2}{3} = |-\frac{7}{3}| = \frac{7}{3}$$



Note: Can do it a disserent way

① Get 860.6?

=> use (60.6) $\frac{1}{3}$ (30,8)

=> $\frac{y_1 - y_0}{x_1 - x_0} = \frac{8 - 6}{30 - 60} = -\frac{0}{30} = -\frac{1}{15} = m$

3) Multiply by the ratio of the (7,4) point between the change you are looking for (75,5) is between (60,6) \$ (90,4)

 $P = \left(\frac{1}{m} \frac{P}{Q} = (-15) \frac{5}{75} \right)$

So, In all, Do not use this method.

Always use midpoint method.

$$(200,40) \longrightarrow (300,30)$$

$$\frac{(300-200)}{(300+200)} = \frac{100}{500} = \frac{100}{250} = \frac{2}{5}$$

$$\frac{(30-40)}{(30+40)} = \frac{10}{70/2} = -\frac{10}{35} = -\frac{2}{7}$$

$$\frac{(30140)}{2} = \frac{70}{35} = \frac{7}{35} = \frac{7}{7}$$

$$\Rightarrow \frac{(\frac{2}{5})}{-(\frac{2}{5})} = -\frac{7}{5} = |1.4| - |1.4|$$