

ECO401 - Economics-Midterm-Subjective-Paper (2-12-2011)

1. What would be the shape of indifference curve in each of the following?

a. A, B are two brands of the same product, consumer can not tell the difference whether which is good or preferred.

b. X is good and Y is bad like household refuses.

2) When price discrimination when it would harmful and beneficial for public investment?

3) Characteristics of oligopoly and monopoly?

4) Difference between external economies and external diseconomies?

Find the point of discontinuing of the given function: 2 Marks

$$f(x) = 3x + 1$$

$$x^2 - 7x + 12$$

Find dx at (-5,6) if $x^2 + y^2 = 0$ 2 Marks

dy

Determine whether $\lim_{x \rightarrow 0} 1 - \cos |x|$ exists or not? 3 Marks

$$x \rightarrow 0$$

if $f'(t) = 2t$ then find the intervals on which the function $f(t)$ increasing and decreasing? 3 Marks

Use an epsilon-delta argument to prove that 5 Marks

$$\lim_{x \rightarrow 0} (3x + 5) = 5$$

$$x \rightarrow 0$$

if $f(x) = x^2 - 5x + 6$ then find the intervals where the function is concave up and concave down. 5 Marks

