Assignment 6A - Objective

The due date for submitting this assignment has passed. Due on 2018-03-21, 23:59 IST.

Submitted assignment

1) The function \( f(x) = x \sin x \) has

- a local maximum at \( n\pi/2 \), for all \( n \in \mathbb{Z} \).
- a local maximum at \( (2n+1)\pi/2 \), for all \( n \in \mathbb{Z} \).
- a local maximum at \( (4n+1)\pi/2 \), for all \( n \in \mathbb{Z} \).
- a local maximum at \( (4n+1)\pi/2 \), for all \( n \in \mathbb{N} \).

No, the answer is incorrect.
Score: 0

Accepted Answers:

- a local maximum at \( (4n+1)\pi/2 \), for all \( n \in \mathbb{N} \).

2) The function \( g(x) = x^3 - 3 \) has

- NO point of local maximum or local minimum.
- a point of global maximum and a point of global minimum.
- a unique point of local maximum, which is not a point of global maximum.
- a unique point of local minimum, which is not a point of global minimum.

No, the answer is incorrect.
Score: 0

Accepted Answers:

- NO point of local maximum or local minimum.

3) The function \( h(x) = x^3 - 6x^2 + 11x - 6 \) has

- one point of global maximum and one point of global minimum.
- two points of local maximum and no point of local minimum.
- one point of local maximum and one point of local minimum.
- two points of local minimum and no point of global maximum.

No, the answer is incorrect.
Score: 0

Accepted Answers:

- one point of local maximum and one point of local minimum.
Lecture 28: Average and Marginal Product, Marginal of Revenue and Cost, Absolute Maximum and Minimum

Lecture 29: Absolute Maximum and Minimum

Lecture 30: Monopoly Market, Revenue and Elasticity

Quiz: Assignment 6A - Objective
Assignment 6B - Subjective
Assignment 6A - Objective Solutions
Assignment 6B - Subjective Solutions
Download Videos
Weekly Feedback Form

Week 7 - Functions of several variables

Week 8 - Applications