# Optimization & NB Quiz

**Due** No due date    **Points** 3    **Questions** 3

**Available** after Mar 19 at 16:08    **Time Limit** None

**Allowed Attempts** Unlimited

<div align="center">

**Take the Quiz Again**

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## Attempt History

| | Attempt | Time | Score |
|---|---|---|---|
| **LATEST** | **Attempt 1** | less than 1 minute | 0 out of 3 |

Submitted Jun 16 at 18:21

Unanswered

### Question 1

**0 / 1 pts**

What statement is TRUE about optimisation?

○ We need to design the target function so that it always has a unique minimum value

○ By computing the first derivative and setting it equal to zero, we can always find the correct values for the parameters

Correct Answer

○ Optimization involves finding the best element from a set of possible elements

○ We need to design the target function so that it always be differentiable

## Question 2

**0 / 1 pts**

Which statement about "Log transformation" is FALSE? You may select more than one answer.

○ Log transformation provides a monotonic transformation..

○ Power exponents become products by Log transformation.

○ Log transformation converts a maximisation problem to a minimisation problem.

○ Multiplications become summations by Log transformation.

○ Finding the first derivative becomes easier by Log transformation.

## Question 3

**0 / 1 pts**

Naive Bayes classifier aims to find the maximum ...

○ probability of a feature given class labels.

○ probability of class labels given features.

○ prior probability of class labels.

○ number of features.