

NAME: _____

IX0012-01

IX0012-01
Midterm Exam
05 November 2024

Your Name and Honor Code Signature

1. Write your name and UIN below:

Name: _____

UIN: _____

2. Please sign the honor code. Your exam will NOT be graded without your signature.

"On my honor, as a KIT Engineering Student, I have neither given nor received unauthorized aid on this academic work."

Signature: _____

Directions

This exam consists of 10 problems for a total of **100 /100** points. The number of total page is 10 pages. **Check your exam now to make sure you have all the problems.** Work as many problems as you can before the end of the exam.

This exam is closed book and notes.

You cannot use any Palm/Pocket PC on this exam. **You must clearly show your work including calculation and all formulas used in your solution. No credit will be given for a problem where this is not the case.**

Show all work in the spaces provided and make certain that you apply the notation we have been using. In order to receive full or partial credit **your work must be clear and neat.**

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Grading Grid

Problem 1 _____ out of 10

Problem 2 _____ out of 10

Problem 3 _____ out of 10

Problem 4 _____ out of 10

Problem 5 _____ out of 10

Problem 6 _____ out of 10

Problem 7 _____ out of 10

Problem 8 _____ out of 10

Problem 9 _____ out of 10

Problem 10 _____ out of 10

Total _____ out of 100

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[Problem 1] - (10 points)

다음 비선형 문제의 Dual Problem 을 적고, 설명하시오.