

IV Questions.

See Worksheet & sol.

Format

1 Mathematical Induction

Begg

Principle of induction

(a) for N=1, ... is valid.

(b) for n=k, --- is valid, then we have

by the Principle of Induction. the result is true for all NEN

 $1^3 + 3^3 + \dots + N^2 = \frac{1}{6}n(n+1)(3n+1)$ 13+23+--+ N3 = (1+2+--+N)

Since these are simple questions. I'll cleave them to you. Btw. the conclisions will be helpful when you use the definition to evaluate an integral.

(which will probably appear as A.W in Week 9. Ger prepared)

Sorry for accident.

@ Reduction to Absurdity.

Proof by contradiction

Assume - P is valid, then we have

which contradicts with -- .. (or Find a contradiction here)

· Statement P is true/valid

sometimes useful when proving that "every ~ is ~" TP: " suppose there exists one ~ that doesn't satisfy _. " Other tips.

About the use of reference book to be more specific. Tong It.

there are many ways to use it. Preview . review . or as a source of your exercise .

but I think it is important to point out that some chapters are

10 useful for your study

2° world be covered in the lecture.

I'll list the name of them. and the time that you can read I understand them without much effort.

第一章·七节. 元字小的比较., after you have finished. Midterm 1.

this is useful for you to check if a

series is convergent (in week 12)

第六年,定秋分的元未选

ofter you have understood the meaning of definite integral.

the mil help you write down the correct integral

There are also some chapters that you can skip

第上年 第七节, 曲率

Since those will be a better explanation in VV 255 and the exam in 156 object involve it.

第四年 年五节、秋分良

Hearn to live nothant the formula sheet wil help you perform better in VVISG. as well as many other courses.

About Homework.

hardcopy + paf

take advantage of apps 迅程paf 转换器. "其他文件转 pay"

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