

MA153 Lesson 51

LESSON 51 - Series and Sequences

1 December, 2008

Outline

- 1 Admin
- 2 Sequences
 - Course Guide
 - Homework Help
- 3 Look Forward

Admin

- 1 This Week - Series and Sequences, IT Tuesday and Wednesday, Series Tests Thursday and Friday

Admin

- 1 This Week - Series and Sequences, IT Tuesday and Wednesday, Series Tests Thursday and Friday
- 2 Next Week - Series and Reviews

Admin

- 1 This Week - Series and Sequences, IT Tuesday and Wednesday, Series Tests Thursday and Friday
- 2 Next Week - Series and Reviews
- 3 Homework 9

Admin

- 1 This Week - Series and Sequences, IT Tuesday and Wednesday, Series Tests Thursday and Friday
- 2 Next Week - Series and Reviews
- 3 Homework 9
- 4 Project Questions?

Admin

1 WPR IV

Admin

- 1 WPR IV
- 2 Surface Integrals

Admin

- 1 WPR IV
- 2 Surface Integrals
- 3 30 point Homework

Block IV - Chapter 11

1 Sequences - 11.1:

Block IV - Chapter 11

- 1 Sequences - 11.1:
- 2 Series - 11.2:

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- 1 Admin
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Course Guide

Sequences and Series - 11.1 and 11.2

- 1 Understand the basic definition of a sequence
 - 2 Understand the difference between the sequence $\{a_n\}$ and the functional value $f(n)$.
 - 3 Understand the meanings of “convergence” and “limit of a sequence”.
 - 4 Understand the notion of recursive sequences.
 - 5 Understand the basic definition of a series.
 - 6 Understand the difference between the underlying sequence and the sequence of partial sums.
 - 7 The relationship between $\lim_{n \rightarrow \infty} a_n$ and the convergence/divergence of $\sum_{n=1}^{\infty} a_n$.
 - 8 Know the Geometric and Harmonic Series.
 - 9 Understand the properties of convergent sequences.
 - 10 HOMEWORK PROBLEMS: 11.1: 3, 28, 62 11.2: 4, 14, 23
- SUPPORTING

Board Work

- 1 11.1 59
- 2 11.2.57

Outline

- 1 Admin
- 2 **Sequences**
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 - **Homework Help**
- 3 Look Forward

Homework Help

Look Forward

Section 11.4 - 11.5
Comparison Test
Alternating Series

Questions?

Questions?