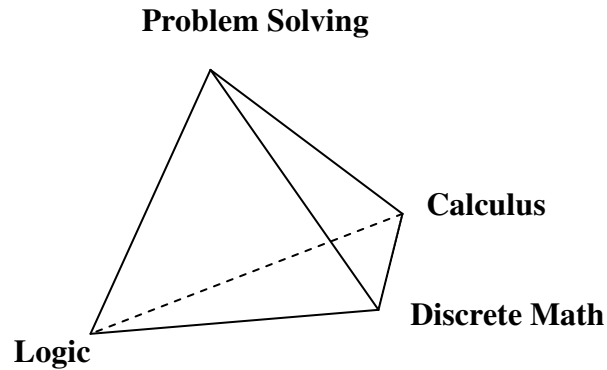


MATH 506 Mathematical Reasoning

Organizing Model



Key Concepts – Day 4

Problem Solving Examples – [“Linear, Quadratic, or Cubic?”](#)

Difference Tables (*first, second, third, ... differences*)

Some Aspects of Change (*Average Rate of Change*)

Sample Exercises:

[Briggs, 2005] Chapter 2: Exercises 2.7, 2.9, 2.14

[“Counting Triangles”](#) Revisited

A brief look at set theory

A brief look at graph theory