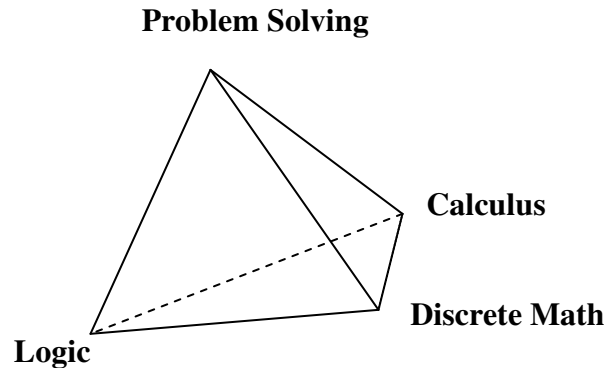


MATH 506 Mathematical Reasoning

Organizing Model



Key Concepts – Day 2

[Briggs, 2005] Chapter 1: Exercises 1.2, 1.6, 1.23

[Polya's Problem Solving Process](#) [Briggs, 2005] Chapter 2

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”](#)