Good Ideas in Teaching Precalculus and...
March 17, 2006

First Timers Session: 8:00-8:15, Room 209

	Precalculus & Calculus	Algebra & Geometry	Discrete Mathematics	Statistics	Big Ideas	Applications	Assessment	From Algebra to Calculus	General	Mathematics & Technology
Session I 8:30 to 9:20	**Alfred** Calculus Problems that Provide Teachable Moments Room 202	**Gaffney & Baker** How Geometer's Sketchpad Has Changed Our Classrooms Room 203	**Merges** Chaos in the Classroom Room 204	(see box at right)	**DeMattia** Big Ideas in Probability and Statistics Room 205	**Heath, Killion & Semus** Fluids, Force and Pressure: A CBL Lab Room 210 Room	**Gulick** Assessment Activities that Promote Learning Room 207	**Riehs** Common Student Misconceptions in Math and How to Prevent Them Room 208	**Kowski** Developing and Teaching Cyberspace Precalculus Room 221-A (Computer Lab: *Limited to 20 participants*)	**Husain** Explore Algebra with WinPlot & Create Colorful Designs Room 209
Session II 9:30 to 10:20	**Smith** Creating a Top 10 List for Calculus & Precalculus Teachers Room 202	**Schwartz** Building Conway's Pencil Models Room 203	**Gennett** Using Geometer's Sketchpad to Teach about Fractal Geometry Room 204	**Landwehr** Preview of the 2006 NCTM Yearbook on Statistics Room 218	**Cooperman** What's the Big Idea with Transformations? Room 205	**Decovsky** There Really Is a Use for Why We Do That! Room 206	**Hyman** A Personal Finance Project Room 221-A (Computer Lab: *Limited to 20 participants*)	**Richman** Managing & Motivating Students with Brain-Based Study Strategies Room 207	**Alfred, Rosenstein & Schiffman** Preparing HS Students for College Math (panel discussion) Room 208	**Charischak** The Dynamic Classroom: Teaching and Learning Math with Technology Room 209
Sharing Session 10:30 to 11:05	What to Keep & What to Leave Out of Algebra & Geometry Room 202	What to Keep & What to Leave Out of Calculus & Precalculus Room 209	Veterans Share with Newer Teachers Ideas that Work Room 203	Alternative Assessment in Algebra & Geometry Classes Room 204	Alternative Assessment in Calculus & Precalculus Classes Room 210	Preparing Students for the HSPA Room 205	What Are the Characteristics of a Good Precalculus Exam? Room 206	Strategies for Undoing Common Student Mistakes Room 207	Preparing High School Students for College Math Room 208	
11:10-12:25	Plenary Session: "Chaos Games and Fractal Images: Introducing Contemporary Math throughout the High School Curriculum" - Robert L. Devaney, Boston University Room 111 *(lecture hall opposite registration tables, on first floor)*									
12:25-1:20	Lunch - Multipurpose Room, Busch Student Center *(walking directions are in the program information, in your folder)*									
Session III 1:25 to 2:15	**Arguelles** Non-AP Calculus: Teaching Kids Who Don't Think They're Smart in Math Room 202	**Cranwell & Hanas** There is More to Sketchpad than Geometry Room 203	**Biehl & Carney** NUMB3RS in Your Classroom Room 210	**Shay** Exploring Data with Fathom Room 221-A (Computer Lab: *Limited to 20 participants*)	**Crombie** Making Sense of the Fundamental Theorem of Calculus Room 204	**Ahmed** Applying Trig to Measure Real-Life Depths and Heights Room 205	**Del Vecchio** Project Ideas for Algebra and Geometry Room 209	**Azzolino** Games & Stuff in Precalculus, Calculus and Basic Math Room 206	**Kiessling** Using PowerPoint to Teach Precalculus, Part I Room 207	**Zweig** Intro. to the T.I.-Navigator Collaborative Learning System Room 208
Session IV 2:20 to 3:10	**Weber** Teaching and Understanding Trigonometric Functions Room 202	**Rosenstein** The Rush to Calculus and the Rush to Algebra Room 208	**Biehl & Carney** NUMB3RS in Your Classroom Room 210	**Schiffman (Discrete Math)** Nifty Applications of Pascal's Triangle Room 203	**Cooperman, Crombie & DeMattia** What's the Big Idea, Anyway? (panel discussion) Room 204		**O'Callaghan & Morley** The SAT Mathematics Tests Room 209	**Berkowitz** Teaching Difficult Topics from a Different Angle Room 206	**Kiessling** Using PowerPoint to Teach Precalculus, Part II Room 207	**Schuenzel** The Smarts on the SMART Board Room 221-A (Computer Lab: *Limited to 20 participants*)