FEMALE MATH*

GMAT/GRE/LSAT Preparatory Course Syllabus
Fall I 2005

Class Topics	Class Description	Class Dates
Sample GMAT/GRE/LSAT (quantitative section)		09/14/05
Symbolic Logic I	• simple, compound and conditional statements • truth tables, tautologies, logically equivalent statements • direct & indirect proofs of validity • recognizing fallacies • Rules of Inference and Replacement	09/16/05
Symbolic Logic II	• Practice with formal proofs	09/21/05
Critical Thinking Skills	• Exercises in problem solving	09/23/05
Euclidean Geometry I (introduction to terms & formulæ)	• points, lines, angles, planes & solids • perimeter, circumference, area, volume • formulae	09/28/05
Basic Algebra Review Part I↓	• the Number Line • properties of and operations with Real Numbers • properties of and operations with Exponents & Radicals • order of operations (PEMDAS)	09/30/05
Basic Algebra Review Part II↓ (interpreting and solving problems)	• linear equations • linear inequalities	10/04/05
Basic Algebra Review Part III↓	• quadratic equations	10/07/05
Cartesian Geometry ↓	• the coordinate plane • lines: ✓ distance, midpoint, slope; parallel & perpendicular ✓ writing equations ✓ graphing • proofs using Cartesian Geometry	10/10/05
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↓reducing math-anxiety exercises		

FREE classes for women are held at
75 Varick Street (at the corner of Canal Street in Manhattan), 12th Floor
Wednesday & Friday evenings, 5:30 p.m. – 8:00 p.m.

For more information, or to register, visit heliconinc.org