

Math137 - Final Exam Review - Fall 2015

Topic List

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|----------|--|----------|----------------------------------|
| A | – Chapters: 1.1-1.4, Appx A, Appx C | H | – Chapters: 3.10, 4.1-4.2 |
| | – Functions | | – Linearization |
| | – Conics | | – Optimization I |
| | – Absolute Values | | – Mean Value Theorem |
| | – Exponential Functions | | |
| B | – Chapters: 3.11, 1.5, Appx D | I | – Chapters: 4.3-4.5 |
| | – Hyperbolic Trig | | – Concavity |
| | – Inverse Trig | | – Indeterminate Forms |
| | – Logarithmic Functions | | – Curve Sketching |
| C | – Chapters: 2.2-2.4 | J | – Chapters: 4.7-4.8 |
| | – Limits | | – Optimization II |
| | | | – Newton's Method |
| D | – Chapters: 2.5-2.6 | K | – Chapters: 4.9, 5.1-5.3 |
| | – Continuity | | – Anti-Derivatives |
| E | – Chapters: 2.1, 2.7-2.8 | | – Integration |
| | – Derivatives | | – FTC I |
| F | – Chapters: 3.1-3.4, 3.11 | L | – Chapters: 5.3-5.5, 6.1 |
| | – Differential Rules | | – FTC II |
| | – Hyperbolic Trig Derivatives | | – Indefinite Integrals |
| G | – Chapters: 3.5-3.6, 3.9 | | – Substitution |
| | – Implicit Differentiation | | – Area Between Curves |
| | – Logarithmic Differentiation | | |
| | – Related Rates | | |