**MAT 130 Final Exam Outline**

1. Evaluate functions
2. Evaluate limits at a point, infinity or one-sided
3. Derivatives and their values
4. Implicit differentiation
5. Derivatives of logarithmic functions and exponential functions
6. Inti-derivatives (integrations)
   1. Includes definite and indefinite (don’t forget the C’s on indefinite ones)
   2. U-substitutions
   3. And possibly integration by parts
7. Areas under a curve
8. Areas between the curves
9. Composition of functions
10. Related rates
11. Applications of derivatives as it relates to maximum and minimums
12. Applications of derivatives as it relates to rate of change and average rate of change
13. Applications of initial value problems (like ones on test 5)
14. Compound interest
15. Consumers’ Surplus and Producers’ surplus
16. Annuity