MAC2312 Calculus II
Need to know from Calculus I [the top ten list]

1. Compute Limits (all forms)
2. Determine continuity of a given function; find points of discontinuity
3. Find the derivative of a given function (all techniques from Cal I, including implicit, logarithmic, exponential, and inverse trigonometric)*
4. Find Local &/or Global maxima and minima of a given function
5. Find Inflection points of a given function
6. Sketch the graph of a given function
7. Integrate a given function (indefinite & definite) whether approximate or exact solutions requested; this means you must know and be able to integrate with u-substitution **NOW**.*
8. If you got out of Calculus I without settling this, you **MUST** know your Trigonometry Identities like breathing.
9. Algebra – this is the foundation of Calculus, I don't need to say anymore on this
10. Solve applications of any of the above mentioned topics.

You will want to review the following topics from Pre-Calculus Algebra:

Parametric functions
Partial Fraction Decomosition
Conics Sections
Sequences & Series

*See my website for a full listing of the derivative & integral patterns you learned in Calculus I.