MAT 100 versus MAT 103

**MAT 100**  
- Graphing, solving equations and inequalities involving polynomials, rational functions, logarithmic & exponential, trigonometric functions & their inverses 
- Limits, slope of curves, tangents, area of regions enclosed by curves, integrals and derivatives 

**MAT 103**
- Thorough review of precalculus topics 
- Analyzing the main features of a function or equation, using limits and derivatives 
- Advanced curve-sketching and optimization in one-variable 
- Definite and indefinite integrals and the Fundamental Theorem of Calculus 

- Strong working knowledge of precalculus that is calculator independent is needed in both MAT 103 and MAT 104. No calculators are used in our math courses. 

- MAT 100 is designed for students with no prior calculus experience. The fast pace of 103 requires good problem solving skills and fluency with the standard library of functions and their graphs. 103 does not require prior calculus experience, but it is recommended. 

5 on the AB calculus exam $\approx$ C in MAT 103, minimal preparation for 104 and 175