Name: _____   Period: _____

Chapter 8 Syllabus –Advanced Limit Topics

- Do all of your homework problems….Make sure you TRY all of them!
- Check all of your answers.
- After you have checked your answers, ASK questions on the problems you can't figure out.
- BEFORE test get any additional help needed on concepts not mastered.

NP = Not Proficient   **P = Proficient**   **M = Mastery**

Section	Learning Target	Homework Questions	Self-Evaluation		
8-2	I can use L'Hopital's rule to find the limits of the form $\dfrac{0}{0}, \dfrac{\infty}{\infty}$ I can use L'Hopital's rule to find the limits of the form $\infty - \infty, \infty \cdot 0, 1^{\infty}, 0^0, \infty^0, 0^{\infty}$	pg 450#1-5, 9-12, 18, 20-26, 33, 34, 37, 40, 43, 58, 60, 64-67	NP	P	M
8-4 day 1	I can evaluate improper integrals with limits of $-\infty$ or ∞ I can test an improper integral for convergence or divergence	pg 467 #1-5, 8, 10, 11, 13, 15, 18, 19, 22	NP	P	M
8-4 day 2	I can evaluate improper integrals with infinite discontinuities I can test an improper integral for convergence or divergence	pg 467 # 25, 26, 30-34, 36, 37, 38, 40, 43, 44, 48-53, 55	NP	P	M
Review		pg 470 #11-14,17,18,37-46,48,56-58	NP	P	M