**STUDENTS…I NEED YOUR INPUT AGAIN!!**

Please indicate your confidence level regarding your ability to perform the following MTH 127 content skills by placing an X in the correct column for each row:

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| **Skill / Math Topic** | **I *know* how to do this.** | **I *have some idea* how to do this but *need more practice*.** | **I *do not know* how to do this.** |
| Integrate functions.  Ex: Determine . | Perception: 9 = 41%  Actual: 22 = 96% | Perception: 12 = 55%  Actual: 1 = 4% | Perception: 1 = 5%  Actual: 0 = 0% |
| Calculate Riemann sums to estimate definite integrals.  Ex: Approximate the area under the curve  in the interval  with subintervals/panels and use the left endpoints of the subintervals/panels. | Perception:12 = 55%  Actual:19 = 83% | Perception: 9 = 41%  Actual: 4 = 17% | Perception: 1 = 5%  Actual: 0 = 0% |
| Calculate definite integrals by applying the Fundamental Theorem of Calculus.  Ex: Determine  . | Perception: 10 = 45%  Actual: 21 = 91% | Perception: 11 = 50%  Actual: 2 = 9% | Perception: 1 = 5%  Actual: 0 = 0% |
| Solve compound interest problems.  Ex: $1000 is deposited in a savings account at 6% interest compounded continuously. How many years are required for the balance in the account to reach $2500? | Perception: 13 = 62%  Actual: 21 = 91% | Perception: 7 = 33%  Actual: 2 = 9% | Perception: 1 = 5%  Actual: 0 = 0% |
| Solve present value problems.  Ex: How much money must you invest now at 4.5% interest compounded continuously to have $10,000 at the end of 5 years? | Perception: 11 = 52%  Actual: 20 = 87% | Perception: 10= 48%  Actual: 3 = 14% | Perception: 0 = 0%  Actual: 0 = 0% |
| Solve growth and decay problems.  Ex: After *t* hours there are  cells present in a culture, where . When will 20,000 cells be present? | Perception: 12 = 55%  Actual: 23 = 100% | Perception: 10= 45%  Actual: 0 = % | Perception: 0 = 0%  Actual: 0 = 0% |
| Solve elasticity of demand problems.  Ex: An electronic store can sell  cellular phones at a price *p* dollars per phone. The current price is $150. If the price is lowered slightly, will revenue increase or decrease? | Perception: 7 = 33%  Actual: 21 = 91% | Perception: 10= 48%  Actual: 1 = 4% | Perception: 4 = 19%  Actual: 1 = 4% |

**ADDITIONAL HELPFUL COMMENTS CAN BE WRITTEN BELOW ☺**

Note: This was a Take-Home Test, which students had 4 days to complete.