**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.** |
| Evaluate multi-variable functions.  Ex: Let  and determine . | Perception: 7 = 54%  Actual: 14 = 70% | Perception: 6 = 46%  Actual: 6 = 30% | Perception: 0 = 0%  Actual: 0 = 0% |
| Determine the areas between curves.  Ex: Determine the area of the region bounded by . | Perception: 6 = 46%  Actual: 7 = 35% | Perception: 7 = 54%  Actual: 13 = 65% | Perception: 0 = 0%  Actual: 0 = 0% |
| Calculate partial derivatives.  Ex: Let  and determine . | Perception: 6 = 46%  Actual: 6 = 30% | Perception: 7 = 54%  Actual: 13 = 65% | Perception: 0 = 0%  Actual: 1 = 5% |
| Determine relative minima and relative maxima of multivariable functions.  Ex: Determine the possible relative maxima and minima points of the function  and use the second-derivative test to classify each point. | Perception: 4 = 31%  Actual: 4 = 20% | Perception: 7 = 54%  Actual: 12 = 60% | Perception: 2 = 15%  Actual: 4 = 20% |
| Solve continuous income stream future value problems.  Ex: Suppose that money is deposited daily into a savings account at an annual rate of $2000. If the account pays 6% interest compounded continuously, approximately how much will be in the account at the end of 2 years? | Perception: 6 = 46%  Actual: 3 = 25% | Perception: 5 = 38%  Actual: 6 = 50% | Perception: 2 = 15%  Actual: 3 = 25% |
| Determine a specified volume of revolution.  Ex: Find the volume of the solid of revolution generated by revolving about the *x*-axis the region under the curve . | Perception: 3 = 23%  Actual: 5 = 63% | Perception: 6 = 46%  Actual: 2 = 25% | Perception: 4 = 31%  Actual: 1 = 13% |
| Solve optimization problems.  Ex: A monopolist manufactures and sells two competing products, I and II, that cost $30 and $20 per unit, respectively, to produce. The revenue from marketing x units of product I and y units of product II is . Find the values of *x* and *y* that maximize the monopolist’s profits. | Perception: 4 = 36%  Actual: 7 = 54% | Perception: 5 = 45%  Actual: 2 = 15% | Perception: 2 = 18%  Actual: 4 = 31% |

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