The purpose of Foundational Studies is to broaden the understanding of what math is and why math is important to the non-math major. On the 143 web page, there is a link to the rubric of the Mathematics Discipline requirements for Foundational Studies. On each test, I will be providing one question for you to grade based on the rubric.

Listed below are three questions which will assist to prepare the students for the test question. Please provide these questions in the last five minutes of class.

Communications of mathematical Ideas:

Describe how logs and exponential functions are inverse functions of each other. Can you explain this relationship graphically?

Formulate and justify generalization and Select an appropriate strategy.

Given the following two problems:

1. Solve for $x$: $e^y + 2 = x + 5$
2. Solve for $x$: $e^x + 2 = y + 5$

Which of the two problems would require the use of logs to solve the problem? Why? How would you solve the problem?