Below are a few remarks regarding exam 1.

1. It is not true that $\ln(a - b) = \ln a - \ln b$.

2. On this question, you are to show that the function $g(x) = y(x)/e^{-x^2}$ is constant. If your answer does not include the phrase "since $g'(x) = 0$ on an interval, then g is constant on this interval", then your answer is probably not complete.

3. On question 6, the answers must include units.

4. On question 8, it is not a good idea to relabel the axes. If $(\pi/2, 1)$ is on the graph of f then, $(1, \pi/2)$ is on the graph of f^{-1}.

5. Be sure to choose the correct sign when you take a square root. This caused problems on 7a) and 8b).

6. Question 9a) does not use L'Hopital.

October 2, 2003