

Circle One:

Name: _____

11:00-11:55 (325)

3:30-4:20 (333)

Math211-2, Fall 2007

Quiz #7: 11-19-07

No Calculators. There are three problems.

1. (3 Points) If $G(t) = \int_{t^3}^{2007} \sqrt{x}e^{-x^2} dx$, find $G'(t)$.

2. (3 Points) Find $\int_1^e \frac{(\ln x)^2}{x} dx$.

3. (3 Points) Find the area between the graphs of $f(x) = x$ and $g(x) = x^2$. *Hint:* It may be useful to sketch a graph.

Bonus (1 Point) True or False. Spider mites belong to the arachnid family which includes black widows, daddy-long-legs and insects.