

Math 190 Quiz 5: Friday Nov 27

The quiz is 15 minutes long and has two questions. No calculators or other aids are permitted. Show all of your work for full credit.

Questions:

1. Find $F(x)$ such that $F'(x) = \frac{2}{\sqrt{x}} - 6x^2 - 3e^x - 2$ and $F(1) = 0$.

2. Compute the following integral

$$\int \cos x e^{\sin x} dx.$$