

Math 2
February 29, 2008

Name: _____

Quiz 6

Show your work, and write clearly. No textbooks, notes, or calculators.
Just as a reminder...

$$\int u dv = uv - \int v du$$

1. (3 points) Find $\int xe^x dx$.

2. (4 points) Find $\int_{-\frac{\pi}{3}}^{\frac{\pi}{6}} x \cos x \, dx$.

3. (3 points) Find $\int \ln x \, dx$. (Hint: $u = \ln x$.)